

RECORD OF PROCEEDINGS
OF THE
BOARD OF TRUSTEES
OF THE
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1961 to June 30, 1962

THE OHIO STATE UNIVERSITY

NOVICE G. FAWCETT

President

BOARD OF TRUSTEES

	<u>Term Beginning</u>	<u>Term Expiring</u>
**John W. Bricker, Columbus	June 20, 1955	May 13, 1962
**Forrest G. Ketner, Columbus	June 26, 1956	May 13, 1963
Thomas F. Patton, Cleveland	May 14, 1957	May 13, 1964
Smith L. Rairdon, Toledo	May 14, 1958	May 13, 1965
Alan B. Loop, Toledo	July 23, 1959	May 13, 1966
Jacob E. Davis, Cincinnati	February 6, 1961	May 13, 1967
*Stanley C. Allyn, Dayton	May 14, 1961	May 13, 1968

*Filled unexpired term of Charles F. Kettering who died November 25, 1958.

**Served one previous term.

OFFICERS

1961-1962

John W. Bricker, Chairman
Forrest G. Ketner, Vice Chairman
John T. Mount, Secretary
Gordon B. Carson, Treasurer

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-FIRST MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 14, 1961

The Board of Trustees met Friday, July 14, 1961, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Senator John W. Bricker, Chairman, Thomas F. Patton,
Alan B. Loop, Jacob E. Davis and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Articles of Incorporation and the Code of Corporate Regulations for The Ohio Legal Center

The Board of Trustees on September 9, 1960, designated the following named persons--Messrs. Frank R. Strong, Robert J. Nordstrom and Ervin H. Pollack--to act on behalf of The Ohio State University as incorporators of a corporation, not for profit, having as its primary purposes the formation and administration of programs of legal research and continuing legal education. This corporation was to have equal representation from The Ohio State University, The Ohio State Bar Association, and The Ohio State Bar Association Foundation. The Board of Trustees, at that time, further stipulated that "when completed, the provisions of the general organization and operation of the new corporation shall be subject to the approval of the Board of Trustees of The Ohio State University."

The Articles of Incorporation of this corporation, named The Ohio Legal Center, and the Code of Corporate Regulations of this corporation have now been drafted by the designated incorporators and are hereby submitted to the Board of Trustees for consideration. A copy of the Articles is attached to these minutes as Exhibit "A" (see Appendix I, page 51) and a copy of the Code is attached to these minutes as Exhibit "B" (see Appendix II, page 55). It is my recommendation that these drafts be approved. It is further recommended that Dean Frank R. Strong, Associate Dean Robert J. Nordstrom and Professor Ervin H. Pollack be designated trustees of The Ohio Legal Center representing The Ohio State University and that they shall serve until they resign or their successors are designated by this Board.

Mr. Loop moved that the Articles of Incorporation and the Code of Corporate Regulations of The Ohio Legal Center as submitted by the President of The Ohio State University be and they hereby are approved and that Dean Frank R. Strong is hereby authorized, in conjunction with The Ohio State Bar Association and The Ohio State Bar Association Foundation, to proceed with the filing of these Articles and the formation of the non-profit corporation, The Ohio Legal Center; and further that Messrs. Strong, Nordstrom and Pollack be designated as trustees to represent The Ohio State University until they resign or their successors are designated by this Board. The motion was seconded by Mr. Davis and unanimously approved by roll call vote.

B. Inter-University Council of Ohio - Establishment of the Office of Executive Secretary

Pursuant to the action taken by the Board of Trustees on April 14, 1961, the Inter-University Council of Ohio has established a permanent central office in the Ohio State Museum and engaged an Executive Secretary whose services began on July 1, 1961. It is therefore recommended that the University shall pay from state-appropriated funds its pro rata share for the 1961-62 operation of the Office of the Executive Secretary of the Inter-University Council based upon the distribution of funds to the State Universities in Am. Sub. H.B. 390.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

July 14, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. The Ohio State University Development Fund - Change in Constitution

The Board of Directors of The Ohio State University Development Fund at a special meeting on June 10, 1961, approved the resolution set forth below authorizing an addition to Article IV, Section 4, of the Development Fund Constitution. In accordance with the requirements of the Constitution of the Development Fund it is recommended that the following addition to Article IV, Section 4, of the Constitution of The Ohio State University Development Fund be approved.

In all solicitations by separate colleges, 17% of the total funds designated for such college in any calendar year shall be retained by the Development Fund. The balance shall be allocated to that college; provided, however, that the amount to be retained by the Development Fund for general University purposes shall in any calendar year be no less than 75% of the average of undesignated funds received from donors during the five years preceding the date of the request for such solicitation, plus 5% of all funds contributed. Irrespective of the foregoing, single contributions in the amount of \$1,000.00 or more in any calendar year designated for the college shall be allocated to such college without deduction in any amount by the Development Fund.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above change in the Constitution of The Ohio State University Development Fund was unanimously approved by roll call vote.

D. Degrees Conferred - August 1961 Commencement

It is recommended that degrees be conferred at the August 25, 1961 Commencement to those students who complete their requirements and are recommended by the Faculty Council for degrees on that date. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix III, page 61.)

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

E. Distinguished Service Awards

Upon the recommendation of the Committee on Distinguished Service Awards, I present the following names of persons to receive this honor at the August 1961 Commencement:

Fred A. Cornell
Herbert S. Warwick
Helen Harvey Hosford

Upon motion of Mr. Patton, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

July 14, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

F. Naming of Buildings - Starling Loving Hall and University Hospital

The building located at 320 West Tenth Avenue, named "Starling Loving University Hospital" on February 8, 1923 by the Board of Trustees, is now used mainly for offices, classrooms, and to a limited extent for clinical purposes. Therefore it is proposed by the Dean of the College of Medicine, Dr. Richard L. Meiling, that the name of this building be changed to "Starling Loving Hall." Dean Meiling further proposed that the facility opened in 1951 and commonly known as "University Hospital" be officially named "University Hospital." These proposals have the full support of Mr. Frederick Stecker, Executive Director, University Relations, and the President's Cabinet, and they are hereby recommended for approval by the Board of Trustees.

Upon motion of Mr. Loop, seconded by Mr. Allyn, the Board of Trustees by unanimous roll call vote approved the naming of Starling Loving Hall and University Hospital.

G. Budgets for the 1961-1962 Fiscal Year

The following budgets, including ranks, titles and salaries, as set forth in the "Salary Roll" are hereby recommended for approval:

1. The Ohio State University annual personnel budget from appropriated funds in the amount of \$24,756,729.00, for the fiscal year beginning July 1, 1961.

Upon motion of Mr. Allyn, seconded by Mr. Davis, The Ohio State University personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

2. The University Hospital annual personnel budget from appropriated funds and Hospital rotaries in the amount of \$7,207,597.00, for the fiscal year beginning July 1, 1961.

Upon motion of Mr. Loop, seconded by Mr. Allyn, the University Hospital personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

3. The Agricultural Extension Service annual personnel budget from appropriated funds in the amount of \$3,102,325.00, for the fiscal year beginning July 1, 1961.

Upon motion of Mr. Patton, seconded by Mr. Davis, the Agricultural Extension Service personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

July 14, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

G. Budgets for the 1961-1962 Fiscal Year (continued)

4. The Ohio State University Research Foundation annual operating budget in an amount not to exceed \$447,194.00, for the fiscal year beginning July 1, 1961. This budget was approved by the Board of Directors of The Ohio State University Research Foundation at its annual meeting on April 21, 1961.

Upon motion of Mr. Davis, seconded by Mr. Allyn, The Ohio State University Research Foundation operating budget was unanimously approved by roll call vote.

5. The Department of Athletics annual operating budget in an amount not to exceed \$1,746,696.00, for the fiscal year beginning July 1, 1961. This budget was approved by the Athletic Council at its regular meeting on May 31, 1961.

Upon motion of Mr. Loop, seconded by Mr. Patton, the Department of Athletics operating budget was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

The President recommended that all personnel changes since the June 8, 1961 meeting of this Board and recorded in the official "Salary Roll" of the University be approved by the Board of Trustees. In addition to these personnel changes he also recommended the following Appointment, Leaves of Absence Without Salary, Emeritus Titles and Promotions in Rank.

A. Appointment

College of Law

L. Orin Slagle, Jr., appointed to the position of Assistant Dean of the College of Law, effective July 1, 1961, at an annual salary rate of \$8,568.00.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote approved the appointment of L. Orin Slagle, Jr., as Assistant Dean, College of Law.

B. Leaves of Absence Without Salary

College of Agriculture and Home Economics

Agricultural Economics and Rural Sociology

Russell O. Olson, Professor, for the period from September 1, 1961 through August 31, 1962, to work in the food and agriculture organization in Italy.

William A. Wayt, Associate Professor, for the period August 1, 1961 through July 31, 1962, to assist the government of Ethiopia.

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Leaves of Absence Without Salary (continued)

College of Agriculture and Home Economics (continued)

Agricultural Economics and Rural Sociology (continued)

Howard C. Williams, Associate Professor, for the period from September 1, 1961 through August 31, 1962, to teach in Sumatra.

College of Arts and Sciences

Mathematics

Kurt Endl, Associate Professor, for the period from October 1, 1961 through September 30, 1962, to teach in Germany.

Frank T. Birtel, Assistant Professor, for the period from October 1, 1961 through September 30, 1962, to teach at Yale University.

Robert R. Welland, Assistant Professor, for the period from October 1, 1961 through September 30, 1962, to teach at the University of Chicago.

Physics and Astronomy

Ely E. Bell, Professor, for the period from October 1, 1961 through September 30, 1962, to work on a research project in Germany.

College of Education

Education

Bernard Mehl, Associate Professor, for the period from October 1, 1961 through May 31, 1962, to accept a Fulbright Award in Turkey.

Psychology

Wilda M. Rosebrook, Professor, for the period from October 1, 1961 through September 30, 1962, to work on a research project at Children's Hospital.

Alvin Scodel, Professor, for the period from October 1, 1961 through September 30, 1962, to work on a research project in Florence, Italy.

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Leaves of Absence Without Salary (continued)

College of Engineering

Engineering Mechanics

Robert A. Barnes, Instructor, for the period from October 1, 1961 through September 30, 1962, to accept a National Science Foundation Fellowship.

College of Law

Richard A. Falk, Associate Professor, for the period from October 1, 1961 through September 30, 1962, to teach at Princeton University.

C. Emeritus Titles

College of Agriculture and Home Economics

School of Home Economics

Elizabeth I. Seabright, with the title Assistant Professor Emeritus, effective October 1, 1961.

Zoology and Entomology

Claude R. Neiswander, with the title Professor Emeritus, effective July 1, 1961.

College of Arts and Sciences

Physics and Astronomy

Joann I. Kurbatov, with the title Associate Professor Emeritus, effective July 1, 1961.

College of Education

Bureau of Educational Research and Service

Roscoe H. Eckelberry, with the title Professor Emeritus, effective July 1, 1961.

School of Fine and Applied Arts

Will Rannells, with the title Associate Professor Emeritus, effective August 1, 1961.

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Emeritus Titles (continued)

College of Medicine

Obstetrics and Gynecology

Philip J. Reel, with the title Clinical Professor Emeritus,
effective July 1, 1961.

Surgery

William N. Taylor, with the title Professor Emeritus,
effective July 1, 1961.

Paul H. Charlton, with the title Clinical Associate Professor
Emeritus, effective July 1, 1961.

Special Services Division

Physical Education - Men

Herman L. Wirthwein, with the title Assistant Professor
Emeritus, effective July 1, 1961.

D. Promotions in Rank

(Promotion effective October 1, 1961 unless marked *
which signifies effective July 1, 1961)

TO PROFESSOR

College of Agriculture and Home Economics

Agricultural Economics and Rural Sociology

*Elmer F. Baumer

*John W. Sharp

Agronomy

*George S. Taylor

Animal Science

*Vern R. Cahill

*Howard S. Teague

Botany and Plant Pathology

*Richard H. Bohning

Dairy Technology

*W. J. Harper

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO PROFESSOR

College of Agriculture and Home Economics (continued)

Zoology and Entomology

L. S. Putnam
*Tony Peterle
*Roy W. Rings

College of Arts and Sciences

Chemistry

William J. Taylor

German

W. Naumann

History

Harry L. Coles, Jr.

Mathematics

L. H. Miller

Physics and Astronomy

C. V. Heer

College of Commerce and Administration

Business Organization

W. Arthur Cullman
William Schlender

Economics

Paul G. Craig
Arthur D. Lynn, Jr.
Clinton V. Oster

School of Social Work

H. Farrand Livingston

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO PROFESSOR

College of Education

Bureau of Educational Research and Service

Arthur E. Wohlers

Education

*John E. Corbally, Jr.
Loren Tomlinson

School of Fine and Applied Arts

Sidney M. Kaplan
Franklin M. Ludden

Psychology

George E. Briggs

College of Engineering

Chemical Engineering

Charles E. Dryden

Civil Engineering

Charles B. Smith

Electrical Engineering

Robert Cosgriff

Engineering Drawing

Richard W. Parkinson

Engineering Mechanics

Francis W. Niedenfuhr

Industrial Engineering

David F. Baker

Mechanical Engineering

Lit Sien Han

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO PROFESSOR

College of Medicine

Anatomy

John A. Eglitis

Pathology

*Colin R. MacPherson

Physiological Chemistry and Pharmacology

*Bernard H. Marks

Radiology

*William Molnar

*Thomas C. Pomeroy

Surgery

*William S. Smith

College of Veterinary Medicine

Veterinary Preventive Medicine

*David O. Jones

Special Services Division

Physical Education - Men

Bruce L. Bennett

Donald K. Mathews

Physical Education - Women

Naomi Allenbaugh

TO ASSOCIATE PROFESSOR

College of Agriculture and Home Economics

Agricultural Economics and Rural Sociology

*Raymond A. Bailey

*Everett M. Rogers

*William A. Wayt

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSOCIATE PROFESSOR

College of Agriculture and Home Economics (continued)

Animal Science

*Randall R. Reed
*Jack H. Cline
*Ronald R. Johnson

Botany and Plant Pathology

Gareth E. Gilbert
T. Richard Fisher
*August Schmitthenner
*Lansing E. Williams

School of Home Economics

A. J. Treece
*Fanchon Warfield (also Agricultural Extension)

College of Arts and Sciences

English

Albert J. Kuhn
Leonard D. Newmark

Geology

M. P. Weiss

History

Clayton Roberts

School of Journalism

*Frank R. B. Norton

Mathematics

Arno Cronheim
Jack P. Tull

School of Optometry

Frederick W. Hebbard

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSOCIATE PROFESSOR

College of Arts and Sciences (continued)

Physics and Astronomy

Richard A. Erickson

Romance Languages

Kenneth B. Scholberg

Speech

Keith Brooks

Courtney P. Stromsta

College of Commerce and Administration

Geography

S. Earl Brown

School of Social Work

Julius Hoffman

Sociology and Anthropology

J. Eugene Haas

Carl A. Nissen

College of Dentistry

W. A. Bruce

*B. H. Williams

College of Education

Education

Earl Harmer

Irvin Ramsey

School of Fine and Applied Arts

John B. Freeman

Glenn N. Patton

Fred A. Zimmer

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSOCIATE PROFESSOR

College of Education (continued)

School of Music

Robert A. Titus
B. W. Poland

Psychology

Donald C. Smith
Reed Lawson

University School

Alvia Bozeman

College of Engineering

School of Architecture and Landscape Architecture

Arnall T. Connell

Engineering Mechanics

Arthur W. Leissa

Mechanical Engineering

Charles D. Jones

Mineralogy

Henry E. Wenden

Photography

Harry G. Binau

College of Law

W. W. Van Alstyne

College of Medicine

Anatomy

Orville E. Russell

School of Nursing

*Helen E. Dorsch

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSOCIATE PROFESSOR

College of Medicine (continued)

Obstetrics and Gynecology

*William E. Copeland
*John H. Holzaepfel
*James H. Williams

Ophthalmology

*Morris Battles
*Jacob Moses

Pediatrics

*W. O. Robertson
*D. M. Hosier

Physiological Chemistry and Pharmacology

*Fred A. Kruger

Physiology

Norman A. Coulter, Jr.
*Heinz P. Pieper
*Leo E. Lipetz

Psychiatry

*Leonard P. Ristine (changed from Clinical Associate Professor)

Radiology

*Matthew W. Elson
*Atis K. Freimanis
*Angelo Haralambopoulos
*Anthimos Christoforidis

Surgery

*William E. Hunt (Clinical)

College of Pharmacy

*David E. Guttman

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSOCIATE PROFESSOR

College of Veterinary Medicine

Veterinary Pathology

*Richard A. Griesemer

*Adalbert Koestner

Veterinary Preventive Medicine

*Charles F. Reed

Student Relations Division

Athletics - Rotary 9900

Ernest R. Biggs

Special Services Division

Physical Education - Women

Mary Beyrer

TO ASSISTANT PROFESSOR

College of Agriculture and Home Economics

Agricultural Extension Service

*Howard E. Frisbee (Extension Assistant Professor)

Agricultural Economics and Rural Sociology

*Robert M. Reeser

*Wallace Barr (also Agricultural Extension)

*Ronald H. Pollack

*Donald D. Steward

Dairy Science

*Harry Barr

*Harold Kaeser

Zoology and Entomology

D. H. Stansbery

Francis Kessler

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSISTANT PROFESSOR

College of Arts and Sciences

English

Gordon K. Grigsby
George Hochfield
Patrick B. O'Kelly
H. Eric Solomon

Geology

J. J. Stephens III

German

Paul Gottwald

Romance Languages

Martha Frosch

College of Commerce and Administration

Economics

Alan B. Batchelder
Helen A. Cameron
Norman G. Keig

College of Education

School of Fine and Applied Arts

Erwin F. Hebner
Edward W. Hewett
Anthony Melnikas

School of Music

Laurence Burkhalter

University School

Franklin R. Buchanan
Sheila Sullivan

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSISTANT PROFESSOR

College of Engineering

Ceramic Engineering

*William B. Shook (also Engineering Experiment Station)

Electrical Engineering

Dean T. Davis
Robert B. Lackey
Robert T. Nash

Engineering Mechanics

Paul B. Chin
Thomas J. Kozik
Joseph Mahig

Industrial Engineering

Robert F. Miller

College of Medicine

Anatomy

Joseph A. Grasso
*Rudolph Kaelbling

School of Nursing

*Ethelrine Shaw
*Elizabeth L. Wolff

Obstetrics and Gynecology

*Edwin R. Zartman (Clinical)

Ophthalmology

*Walter de la Motte
*Stanley Barton
*Jack Bontley
*James Greetham
*H. Charles Letson

Otolaryngology

*Herbert G. Birck (Clinical)
*John Gersten (Clinical)

July 14, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Promotions in Rank (continued)

TO ASSISTANT PROFESSOR

College of Medicine (continued)

Pathology

*M. S. N. Murthy

Psychiatry

*Walter Knopp

Surgery

*Thomas S. Morse (Clinical)

*Joseph Bonta (Clinical)

College of Veterinary Medicine

Veterinary Anatomy

*Martin Y. Andres

Special Services Division

Physical Education - Men

Seymour Kleinman

Upon motion of Mr. Davis, seconded by Mr. Allyn, the Leaves of Absence Without Salary, Emeritus Titles, Promotions in Rank and the personnel changes were unanimously approved by roll call vote and the Secretary was instructed to file the July "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and
The Ohio State University Research Foundation

It is recommended that the research agreements heretofore entered into between The Ohio State University and The Ohio State University Research Foundation setting up the following projects be reported to the Board of Trustees for information and record:

July 14, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. Headquarters, U. S. Army Armor Center, Central Purchasing & Contracting Division, Fort Knox, Kentucky, for Research and Scientific Studies for the Combat Development Program (to be known as U. S. Army Armor Center Project No. 573 - Mod. #17 - Engineering Experiment Station).
Gross Value - \$35,000.00.
- b. Federal Aviation Agency, Bureau of Research and Development, Washington 25, D. C., for Engineering Services for Glide Path Antenna System Research (to be known as Federal Aviation Agency Project No. 891 - Amend. #6 - Department of Electrical Engineering).
Gross Value - \$44,000.00.
- c. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Fundamental Research on Physical Electronics at Millimeter Wavelengths (to be known as Aeronautical Systems Division Project No. 927 - Sup. #6 - Department of Electrical Engineering).
Gross Value - \$5,000.00.
- d. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research Analysis Services (to be known as Aeronautical Systems Division Project No. 942 - Sup. #6 - OSURF).
Gross Value - \$10,000.00.
- e. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Study to Improve Methods of Diagnosis for Endometrial Carcinoma (to be known as National Institutes of Health Project No. 950 - Sup. #3 - Department of Obstetrics and Gynecology).
Gross Value - \$36,100.00.
- f. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of the Coronary Haemodynamic Response to Environment (to be known as Aeronautical Systems Division Project No. 1061 - Sup. #4 - Department of Physiology).
Gross Value - \$17,620.00.
- g. Base Procurement Office, Headquarters Aeronautical Chart & Information Center, U. S. Air Force, Second & Arsenal, St. Louis 18, Missouri, for Collection, Reduction and Processing of Gravity Information (to be known as Aeronautical Chart & Information Center Project No. 1071 - Sup. #6 - Department of Geology).
Gross Value - \$20,000.00.

July 14, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- h. Cornell Aeronautical Laboratory, Inc., Cornell University, P. O. Box 235, Buffalo 21, New York, for an investigation of Hypersonic Wind Tunnel Diffusers (to be known as Cornell Aeronautical Laboratory, Inc. Project No. 1268 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$15,000.00.
- i. Federal Aviation Agency, 16th and Constitution Avenue, N. W., Washington 25, D. C., for Research Study on Coronary Arteriography (to be known as Federal Aviation Agency Project No. 1289 - New - Department of Radiology).
Gross Value - \$29,565.00.
- j. Office of Naval Research, Department of the Navy, Washington 25, D. C., for an investigation of The Characterization of General Moment Sequences by Infinite Systems of Finite-Rowed Inequalities (to be known as Office of Naval Research Project No. 1290 - New - Department of Mathematics).
Gross Value - \$4,984.00.
- k. National Science Foundation, Washington 25, D. C., for Ecological Survey of Antarctic Bacteria (to be known as National Science Foundation Project No. 1291 - New - Institute of Polar Studies).
Gross Value - \$13,566.00.
- l. Sandia Corporation, Post Office Box 5800, Albuquerque, New Mexico, for Research Investigation of Uranium Corrosion Mechanism (to be known as Sandia Corporation Project No. 1292 - New - Department of Metallurgical Engineering).
Gross Value - \$15,260.00.
- m. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Investigations into Fatty Acid Clearance of the Blood (to be known as Aeronautical Systems Division Project No. 1293 - New - Department of Pathology and Physiological Chemistry).
Gross Value - \$7,300.00.
- n. National Science Foundation, Washington 25, D. C., for an investigation of Generalized Reinforcement (to be known as National Science Foundation Project No. 1294 - New - Department of Psychology).
Gross Value - \$8,600.00.
- o. National Science Foundation, Washington 25, D. C., for an investigation of Traverse Glaciology of Antarctic Firn (to be known as National Science Foundation Project No. 1296 - New - Institute of Polar Studies).
Gross Value - \$30,042.00.

July 14, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- p. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Isolation and Identification of Rh₀(D) Antigen (to be known as National Institutes of Health Project No. 1299 - New - Department of Bacteriology).
Gross Value - \$29,382.00.
- q. National Science Foundation, Washington 25, D. C., for an investigation of Atomic Oscillators at Low Temperatures (to be known as National Science Foundation Project No. 1300 - New - Department of Physics and Astronomy).
Gross Value - \$49,400.00.
- r. United States Department of Agriculture, Agricultural Research Service, Northern Utilization Research & Development Division, Peoria, Illinois, for an investigation of The Amination of Starch and Starch Derivatives (to be known as U. S. Department of Agriculture Project No. 1301 - New - Department of Chemistry).
Gross Value - \$122,400.00.

TOTAL - Government Contracts - Federal \$493,219.00

2. Industrial and Other Contracts

- a. American Petroleum Institute, 1271 Avenue of the Americas, New York 20, New York, for Preparation of Hydrocarbons (to be known as American Petroleum Institute Project No. 31-A - 5th Ext. - Department of Chemistry).
Gross Value - \$47,480.00.
- b. Charles F. Kettering Foundation, Box 215, Yellow Springs, Ohio, for an investigation of Radiation Factor in Photosynthesis (to be known as Charles F. Kettering Foundation Project No. 373 - Ext. #15 - Department of Physics and Astronomy).
Gross Value - \$25,000.00.
- c. The Goodyear Tire and Rubber Company, 1144 East Market Street, Akron 16, Ohio, for an investigation of Synthesis of Isoprene (to be known as The Goodyear Tire and Rubber Company Project No. 1118 - Ext. #1 - Department of Chemistry).
Gross Value - \$30,152.00.
- d. Hercules Powder Company, Inc., Allegany Ballistics Laboratory, Cumberland, Maryland, for Research on Flames of Aluminum Powder with Various Oxidizing Gases (to be known as Hercules Powder Company Project No. 1135 - Amend. #1 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$25,000.00.

July 14, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- e. A. H. Robins Company, Inc., 1407 Cummings Drive, Richmond 20, Virginia, for Isolation of Active Constituents of Certain Plants with Reputed Medicinal Value (to be known as A. H. Robins Company, Inc. Project No. 1209 - Ext. #1 - College of Pharmacy). Gross Value - \$3,600.00.
- f. The Procter and Gamble Company, MA&R Building, Ivorydale, Cincinnati 17, Ohio, for Urinary Study in Dogs (to be known as The Procter and Gamble Company Project No. 1295 - New - Department of Veterinary Medicine). Gross Value - \$2,221.00.
- g. Anderson Pharmaceuticals, Division of M&R Dietetic Laboratories, Inc., 625 Cleveland Avenue, Columbus 16, Ohio, for an investigation of Structure-Action Relationships in Local Anesthetics (to be known as Anderson Pharmaceuticals Project No. 1297 - New - College of Pharmacy). Gross Value - \$3,600.00.
- h. Life Insurance Medical Research Fund, 345 East 46th Street, New York 17, New York, for an investigation of Factors Influencing Cardiac Output in Man (to be known as Life Insurance Medical Research Fund Project No. 1298 - New - Department of Medicine). Gross Value - \$8,392.35.

TOTAL - Industrial and Other Contracts \$145,445.35

The foregoing twenty-six contracts for research in cooperation with Government, Industry and Other represent a gross income of \$638,664.35.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above contracts were unanimously approved.

B. The Report of the Research Contract from the
Engineering Experiment Station

During the period from May 26, 1961 through June 22, 1961, the Engineering Experiment Station of The Ohio State University entered into the following research contract. This research contract is reported to the Board of Trustees for information and record.

1. Industrial Research Contract

- EES-169 Development of Accelerated Testing Procedures for
Ext. #1 Ceramic Cutting Tools, The Norton Company, Worcester 6,
Massachusetts.
Gross Value - \$2,000.00.

July 14, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. The Ohio State University and the State Department of Education, Division of Vocational Education and Division of Special Education

It is recommended that the agreements between The Ohio State University and the State Department of Education, Division of Vocational Education and Division of Special Education, be continued for the fiscal year 1961-62 and that contracts for teacher training and special services in the following areas be approved:

Vocational Home Economics
Vocational Agriculture
Trade and Industrial Education
Distributive Education
Business Education
Guidance Services
Teaching of Handicapped Children

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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IV. GIFTS

It is recommended that the following gifts be accepted for the University and the appreciation of the Board of Trustees be appropriately expressed:

A. Administered Through the Development Fund

1. \$4,400.00 for The Homer C. Corry and John J. Adams Scholarship Fund. This figure represents the total value of 100 shares of General Motors Corporation common stock.

The Homer C. Corry and John J. Adams Scholarship Fund

The Homer C. Corry and John J. Adams Scholarship Fund was established June 27, 1961, by a gift of securities through the Development Fund from Mrs. Homer C. Corry.

The principal shall be held as a permanent fund, a part of endowment, to be incorporated into the University's investment portfolio under rules and regulations adopted therefor by the Board of Trustees of The Ohio State University, with right in the Board to invest and reinvest as occasion dictates.

The income shall be used to provide scholarships for students enrolled in the College of Law as determined by the Dean of the College. In the event need for such scholarships should diminish or cease, the income shall be used for other purposes of benefit to the College of Law as directed by the Board of Trustees upon recommendation of the Dean of the College of Law.

July 14, 1961 meeting, Board of Trustees

IV. GIFTS (continued)

A. Administered Through the Development Fund (continued)

2. \$750.00 for the Donald W. English Memorial Fund.

Donald W. English Memorial Fund

The Donald W. English Memorial Fund was established June 22, 1961, by gifts through the Development Fund from Frances Arant English, widow of Donald W. English, Bachelor of Science in Business Administration '47 and Master of Business Administration '48, and from many of his friends and business associates. The principal and any additions thereto are to be invested in accordance with Sec. 3335.12 G. C., the income to be used for an annual award or scholarship to a Junior or Senior undergraduate student who has displayed outstanding ability in the fields of marketing or advertising. Awards are to be made by the University Scholarship Committee on recommendation of the Dean of the College of Commerce and Administration. In any year or years in which a recommendation for this award is not made, the Board of Trustees of The Ohio State University may use said income in its discretion.

3. \$2,950.00 for the Glenn A. Fry Fund.

Glenn A. Fry Fund

The Glenn A. Fry Fund was established April 16, 1961, by gifts through the Development Fund to honor Glenn A. Fry for twenty-five years of outstanding service including ten years as Director of the School of Optometry at The Ohio State University and for his many contributions to the literature and research in the field of physiological optics and for his leadership in the advancement of optometry and its service to the public.

The principal and any additions thereto are to be invested in accordance with Sec. 3335.12 G. C., the income to be used by the Director of the School of Optometry for any purpose pertaining to Optometric Education.

Should the need for the use of the income as stipulated herein cease to exist or so diminish as to create unused income, then the Board of Trustees of The Ohio State University may use said income for any purpose in its discretion.

4. \$10,000.00 for the Clarence L. Newby Memorial Fund.

Clarence L. Newby Memorial Fund

The Clarence L. Newby Memorial Fund was established June 14, 1961, by a bequest to the Development Fund from Clarence L. Newby, ME '14. The principal is to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

July 14, 1961 meeting, Board of Trustees

IV. GIFTS (continued)

A. Administered Through the Development Fund (continued)

4. \$10,000.00 for the Clarence L. Newby Memorial Fund (continued)

Clarence L. Newby Memorial Fund (continued)

The income is to be expended on order of the Board of Trustees of The Ohio State University, upon recommendation of the Board of Directors of The Ohio State University Development Fund. The principal may also be invaded to the extent of part or all of it and expended in the same manner as provided for the use of the income.

5. \$103,971.78 in stock for the establishment of the Charles H. Erb Scholarship Fund, the Viola Cranston Erb Scholarship Fund and the Edgar M. Erb Memorial Fund. The securities are as follows:

702 shares American Telephone and Telegraph Company stock	\$65,974.88
28 shares Bank of America stock	1,316.00
315 shares General Motors Corporation stock	14,096.25
31 shares Nevada Porphyry Gold Mines, Inc. stock	4.65
110 shares Pacific Gas and Electric Company stock	7,438.75
200 shares Standard Oil Company of California stock	8,825.00
155 shares Standard Oil Company (New Jersey) stock	6,316.25

The three funds are to be established with one-third of the total value of this gift, \$34,657.26, for each fund:

Charles H. Erb Scholarship Fund

The Charles H. Erb Scholarship Fund was established July 3, 1961, by a bequest through the Development Fund from Wenonah C. Erb, Deceased, in memory of her father and mother, Charles H. Erb and Viola Cranston Erb, and their family, and is to be considered as established jointly by said Wenonah C. Erb and her brother, Edgar M. Erb.

The principal and any additions thereto are to be invested by the Treasurer of The Ohio State University under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for scholarships at The Ohio State University. When possible, all recipients of such scholarships are to specialize in the field of research for the treatment of asthma until the disease has been conquered by medical science.

July 14, 1961 meeting, Board of Trustees

IV. GIFTS (continued)

A. Administered Through the Development Fund (continued)

5. (continued)

Viola Cranston Erb Scholarship Fund

The Viola Cranston Erb Scholarship Fund was established July 3, 1961, by a bequest through the Development Fund from Wenonah C. Erb, Deceased, in memory of her father and mother, Charles H. Erb and Viola Cranston Erb, and their family, and is to be considered as established jointly by said Wenonah C. Erb and her brother, Edgar M. Erb.

The principal and any additions thereto are to be invested by the Treasurer of The Ohio State University under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for scholarships at The Ohio State University. When possible, all recipients of such scholarships are to specialize in the field of research for the treatment of asthma until the disease has been conquered by medical science.

Edgar M. Erb Memorial Fund

The Edgar M. Erb Memorial Fund was established July 3, 1961, by a bequest through the Development Fund from Wenonah C. Erb, Deceased, in memory of her brother, Edgar M. Erb.

The principal and any additions thereto are to be invested by the Treasurer of The Ohio State University under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for scholarships at The Ohio State University. When possible, all recipients of such scholarships are to specialize in the field of research for the treatment of asthma until the disease has been conquered by medical science.

Upon motion of Mr. Davis, seconded by Mr. Patton, the foregoing gifts were accepted by unanimous vote.

B. Report from The Ohio State University Development Fund

I wish to report that in May, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2, 467	\$ 33, 491. 14
Individuals, Other Than Alumni	125	3, 844. 15
Non-Profit Organizations	31	60, 903. 01
Business Concerns	21	13, 775. 00
	<u>2, 644</u>	<u>\$112, 013. 30</u>

Of these gifts, 1, 976 totaling \$14, 810. 75 were undesignated and 688 totaling \$97, 202. 55 were designated.

July 14, 1961 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS

- A. The President reported that, in accordance with the policy previously adopted by the Board, the following balances were closed by transfer to Rotary 12261, General University Fund, in order to facilitate closing of the books on June 30, 1961.

Administrative expenses, costs of heat, light and power, and other overhead expenses on Research and Training Grants of the National Institutes of Health, National Science Foundation, corporation gifts for general University purposes, and other organizations for the fiscal year 1960-61.

11013	American Cancer Society	\$ 4,896.68
12491	National Institutes of Health - Bertz	48.60
12492	National Institutes of Health - Day-Heintz	84.00
12493	National Institutes of Health - Green	276.03
12496	National Institutes of Health - Busch	3,136.90
12497	National Institutes of Health - Hunt	601.75
12504	National Institutes of Health - VonHaam-Scarpelli	864.87
12505	National Institutes of Health - VonHaam	1,583.43
12509	National Institutes of Health - Wilson	363.79
12515	National Institutes of Health - Wilson	449.12
12534	National Institutes of Health - Doan	384.00
12550	National Science Foundation - Busch	717.88
12551	National Science Foundation - Plaine	30.84
12552	National Science Foundation - Wolfrom	973.88
12559	National Science Foundation - Oetjen & Bell	2,779.27
12561	National Science Foundation - Wickens	1,702.31
12562	National Science Foundation - Daunt	7,066.66
12566	National Science Foundation - Nielsen	2,394.83
12567	National Science Foundation - Keenan	495.03
12568	National Science Foundation - McNiven	113.70
12569	National Science Foundation - Mills-Sessler	19.58
12574	National Science Foundation - Richardson	3,935.97
12576	National Science Foundation - Gray	222.42
12582	National Science Foundation - Heer	2,303.68
12585	National Science Foundation - Cava	1,644.10
12587	National Science Foundation - Sapirstein	831.98
12589	National Science Foundation - Shaw	1,398.99
12594	National Science Foundation - Gander	757.94
12596	National Science Foundation - Kraus	4,259.67
12597	National Science Foundation - Hartman	1,345.39
12606	National Science Foundation - Richardson	4,417.74
12609	National Science Foundation - Parks	726.95
12611	National Science Foundation - Richardson	3,124.98
12612	National Science Foundation - Riley	313.00
12614	National Science Foundation - Weiss	77.78
12620	Alfred P. Sloan, Inc.	1,800.00
12634	Service Charge India	780.00
12802	I. C. A. Secondary Education	5,007.32
12806	I. C. A. Sierre Leone	1,994.10
12811	A. E. C. Richardson	1,956.45
12844	U. S. Department of Health, Education & Welfare - Psychiatric Nursing	589.24
12846	U. S. Department of Health, Education & Welfare - Vocational Rehabilitation	1,199.26

July 14, 1961 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

A. (continued)

12849	U. S. Department of Health, Education & Welfare - Psychology	\$ 1,202.43
12850	U. S. Department of Health, Education & Welfare - Undergraduate Training	987.72
12851	U. S. Department of Health, Education & Welfare - Ogden	914.32
12854	U. S. Department of Health, Education & Welfare - Shimp	675.36
12857	I.C.A. - India - Agriculture	12,836.39
12860	U. S. Department of Health, Education & Welfare - Dentistry	2,224.02
12861	U. S. Department of Health, Education & Welfare - Hamwi	1,229.68
12863	U. S. Department of Health, Education & Welfare - Meyer	336.00
12864	U. S. Department of Health, Education & Welfare - Office of Education - Peters	2,667.81
12866	U. S. Department of Health, Education & Welfare - Black	618.46
12867	U. S. Department of Health, Education & Welfare - Physical Therapy - Burk	694.02
12871	U. S. Department of Health, Education & Welfare - International Teachers Education	1,262.48
12875	U. S. Department of Health, Education & Welfare - Office of Education - Peters	4,963.46
		<u>\$ 98,282.26</u>

Current Year's Balance in Veterans' Account

12881	Veterans Administration 10%	<u>\$ 87.66</u>
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Miscellaneous

11149	Continental Casualty Company Contributions	\$ 10,729.50
11480	National Council to Combat Blindness	1.60
		<u>\$ 10,731.10</u>

Grand Total	<u><u>\$109,101.02</u></u>
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Upon motion of Mr. Allyn, seconded by Mr. Loop, the Board of Trustees by roll call vote unanimously approved the transfer of the above amounts to the General University Fund, Rotary 12261.

July 14, 1961 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

B. Newcomers Reception

Upon the recommendation of Mr. Frederick Stecker, Executive Director, University Relations, whose office is assigned responsibility for planning the annual Newcomers Reception, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$900.00 be appropriated from the General University Fund for the purpose of defraying the expenses for this function.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRAS AND CREDITS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, I recommend that the Extra and Credit Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Addition to Fine Arts Building

General Contract

It is recommended that a Sculpture Court in the outside area between the existing Fine Arts Building, Hayes Hall and the Addition to Fine Arts Building be developed. This work includes demolition, clearing site, excavation, grading, concrete steps, brick and concrete paving, ceramic garden wall panels, gates with hardware, catch basins, drainage and electric work.

Add \$13,200.00

Funds will be provided from Item 080, H.B. 1124.

B. Remodel Rehearsal Hall

Plumbing Contract

It is recommended that a 1 1/4" gas line be wrapped with a material known as Scotch Wrap from the pipe tunnel to Rehearsal Hall Building.

Add \$ 65.00

Funds will be provided from Item 070, H.B. 1124.

Heating & Ventilating Contract

It is recommended that the existing 2 1/2" heating mains around the walls in the first

July 14, 1961 meeting, Board of Trustees

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

B. Remodel Rehearsal Hall (continued)

Heating and Ventilating Contract (continued)

floor laboratories to an overhead location be raised using existing pipe and new fittings as required.

Add \$ 240.00

Approval is subject to the receipt of an appropriation for completion of buildings currently under construction.

C. Addition to Campbell Hall

General Contract

It is recommended that the asphalt road east of the west head-in parking strip in the new parking area be widened from 18 to 24 feet.

Add \$ 444.00

Funds will be provided from the reappropriation of the balance in Item 078, H.B. 1124.

D. Botany & Zoology Building, Remodeling and Expansion

Plumbing Contract

It is recommended that certain storm and sanitary sewer lines at the B & Z Greenhouse, where these lines interfere with the construction of new retaining walls, be revised, relocated and raised.

Add \$ 1,350.00

Approval is subject to the receipt of an appropriation for completion of buildings currently under construction.

E. Mathematics Building

Plumbing Contract

It is recommended that the portion of the 8" sewer line which runs under the proposed building be changed to cast iron.

Add \$ 807.00

Approval is subject to the receipt of an appropriation for completion of buildings currently under construction.

F. Institute of Vision - Phase II

Plumbing Contract

It is recommended that a 6" concrete sub-floor which was encountered during excavation be broken up and removed.

Add \$ 89.00

Funds will be provided from a new building account to be established by transferring funds from the Institute of Vision.

July 14, 1961 meeting, Board of Trustees

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

G. Dormitory "F" for Women

Electrical Contract

It is recommended that the following changes be made:

1. Omit final inspection and certificate of approval by the Electrical Inspection Bureau or other approved agency. This inspection will be made by the Service Department and University Architect.
Deduct \$477. 00.
2. Add one additional riser cable and use copper wire for all cables in lieu of aluminum in the lightning protection system.
Add \$512. 00.

Net addition \$ 35. 00

Funds will be provided from Dormitory Construction Account.

H. University Hospital, North Wing Addition

General Contract

On March 11, 1960, the Board of Trustees approved a net deduction order in the amount of \$773. 88 for various changes for this project. This deduction order was never processed since an addition for site improvement was pending and could not be processed until construction of the Radiation Therapy Addition and the Animal Research Facility was complete.

It is now recommended that the deduction order in the amount of \$773. 88 and the extra order for site improvement in the amount of \$1, 664. 30 be combined.

Net addition \$ 890. 42

Funds will be provided from Item 850 University Hospital, H.B. 1124.

I. Married Housing Project #2

Outside Service Contract

It is recommended that the following changes be made:

1. Cap off existing gas lines to areas where grade is to be lowered and cap off house service lines to buildings which are to be removed.
Add \$835. 00.

July 14, 1961 meeting, Board of Trustees

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

I. Married Housing Project #2 (continued)

Outside Service Contract (continued)

2. Cap off existing water lines to areas where grade is to be lowered and to buildings which are to be removed.
Add \$913.00.
3. Abandon and cap existing sewers which are no longer needed and adjust remaining manholes to new grades.
Add \$414.00.
4. Provide an additional yard drain in the low area west of Project Road "B" near Building #210.
Add \$288.00.

Total addition \$ 2,450.00

Funds will be provided from the Married Housing Construction Account.

J. Remodeling of Air Conditioning System, University Hospital

It is recommended that the following changes be made:

1. Furnish and install additional ductwork and air outlets in Operating Room #3 to correspond with work in other rooms.
Add \$375.00.
2. Provide extra cutting, patching and rebuilding required to reroute ductwork in Nursery Room #532.
Add \$193.00.
3. Remove and replace Carrara glass soffit in Operating Room #9.
Add \$81.00.
4. Remove abandoned ceiling panel heating.
Add \$88.00.
5. Reroute piping to 140 degree hot water heating coils in Sterilizing Room #583.
Add \$85.00.
6. Provide additional air vents at air conditioning units.
Add \$30.00.
7. Replace defective Carrara glass panel in Delivery Room #4.
Add \$125.00.

Total addition \$ 977.00

Funds will be provided from the University Hospital Rotary.

July 14, 1961 meeting, Board of Trustees

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

K. Mathematics Building

General Contract

It is recommended that approximately 26.25 cubic yards of underground concrete foundations and walls be removed.

Add \$ 841.00

Approval is subject to the receipt of an appropriation for completion of buildings currently under construction.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendations individually and collectively were unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of material and estimates of cost for the following projects be approved by the Board of Trustees:

A. Aviation Psychology Laboratory, Research Center

Funds for this project will be provided by a transfer of funds from the General University Fund to an appropriate account.

B. Ice Rink Enclosure - Phase III

Funds for this project will be provided by a transfer of funds from the General University Fund to an appropriate account.

C. Repair and Pointing Stonework - Mershon Auditorium

Funds will be provided for this project from the new appropriation for F-9 when it is available.

D. Resurfacing Exposed Concrete Walls and Canopies at University Hospital

Funds for this project will be provided from Department 975, Rotary 807.

E. Repair of Air Conditioning and Ventilating Systems at Animal Research Building

Funds for this project will be provided from Rotary 807.

F. OSU Television Distribution System, Phase A

Funds for this project are provided from an appropriation from the General University Fund.

G. Installation of Water Softening and Heating Equipment in the Laundry

Funds for this project will be provided from Laundry Rotary 75910.

July 14, 1961 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS (continued)

H. Repairs to Stadium Dormitories (Scholarship Dormitories - Phase VI)

Funds will be provided by a transfer from the General University Fund to an appropriate building account in H. B. 390.

I. Veterinary Clinic Building, Remodel Room 16

Funds will be provided from Veterinary Clinic Rotary and transferred to an appropriate building account in H. B. 390.

J. Interior Patch Plastering and Painting of Eight Buildings

Funds will be provided from the maintenance account in H. B. 390 when available.

K. Exterior Painting of University Buildings

Funds will be provided from the maintenance account in H. B. 390 when available.

L. Wall Washing Six Buildings

Funds will be provided from the maintenance account in H. B. 390 when available.

M. Golf Course Maintenance Building No. 2

Funds will be provided from the Athletic Department Rotary.

N. Baker Hall, Repair of Showers

Funds will be provided from Dormitory Contingency Repair and Replacement Account.

O. Demolition and Removal of Selected Temporary Buildings

Funds will be provided from the maintenance account in H. B. 390 when available.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendations were unanimously approved and ratified by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if funds are made available by new appropriations, to proceed with the award of contracts. If funds are not made available, bids shall be rejected. All action regarding this matter shall be reported to the Board of Trustees at the September 8 meeting.

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July 14, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Painting Parabola at The Ohio State University Radio Observatory

Bids were received on June 12, 1961, and award of contract was recommended to the low bidder as stated below:

	<u>Low bid</u>	<u>Est. of cost</u>
(5 bids received)		
General Maintenance & Engineering Co.		
(Columbus)	\$ 4,400.00	\$ 4,600.00

Funds for this project are provided in F-9, H.B. 831.

B. Improvements in Classrooms and Laboratory in Hamilton Hall

Bids were received on June 23, 1961, and award of contracts was recommended to the low bidders as stated below:

	<u>Low bid</u>	<u>Est. of cost</u>
<u>General Contract</u>		
(8 bids received)		
Henry A. Justus (Columbus)		
Base bid	\$ 24,700.00	\$ 37,000.00
<u>Heating and Ventilating Contract</u>		
(4 bids received)		
Limbach Co. (Columbus)		
Base bid	\$ 55,000.00	\$ 47,500.00
Alt. HV-1 Chiller and cooling tower	31,700.00	29,000.00
Total	\$ 86,700.00	\$ 76,500.00
<u>Plumbing Contract</u>		
(4 bids received)		
Limbach Co. (Columbus)		
Base bid	\$ 6,200.00	\$ 4,500.00
<u>Electrical Contract</u>		
(4 bids received)		
Electric Power & Equipment Co.		
(Columbus)		
Base bid	\$ 5,147.00	\$ 11,000.00
Alt. E-1 Chiller and cooling tower	8,492.00	10,000.00
Total	\$ 13,639.00	\$ 21,000.00
Total contracts	\$131,239.00	\$139,000.00

Funds for this project are provided in K-12, H.B. 831.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above awards of contracts were approved by unanimous roll call vote.

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IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 506 Authorizes ten day advertising for the project "Replace Laboratory Acid Drains, North Wing, University Hospital".
- 507 Authorizes ten day advertising for the project "Hamilton Hall Cold Room and Remodeling".
- 509 Authorizes the employment of Ralph J. Kramer, Comer & Passe, engineers, for services for the project "Hamilton Hall Cold Room and Remodeling" and approves the expenditure of \$5,900.00 for their fee from K-12, H.B. 831.
- 519 Approves of the expenditure without competitive bidding of \$5,175.00 for additional steel shelves for the project "Additional Library Stacks in Main Library".
- 521 Approves of an extra order to the general contractor in the amount of \$22,575.00 for additional equipment without further competitive bidding, for the project "Botany and Zoology Building, Remodeling and Expansion".
- 522 Authorizes the release of \$934,000.00 in Item 080 Addition to Fine Arts Building, H.B. 1124, to provide funds for the contracts, equipment, architect fees and other costs.
- 525 Authorizes the transfer and release for expenditure of \$5,114.00 from Item 074, and \$6,967.23 from Item 081, H.B. 1124, to Item 884 Administration Building, Remodeling Third Floor, H.B. 1124, to provide funds for the completion of the project.
- 526 Approves the expenditure of \$987.13 and a previous balance of \$9,020.87 released but not used, for the purchase of equipment for Pomerene Hall from Item 081, H.B. 1124.
- 528 Approves the award of contract for the project "Sidewalks, 15th Avenue to Woodruff Avenue" without further competitive bidding.
- 530 Approves the extra order to the general contract without further competitive bidding for the new Nursery Play Area in connection with the project "Addition to Campbell Hall".
- 531 Approves the release of \$7,028.28 from Item 073, H.B. 1124, for additional book stacks and loose equipment for the project "Additional Library Stacks".
- 532 Authorizes the award of four extra orders for additional work on the project "Low Level Radiation Laboratory in McPherson Laboratory" in the total amount of \$10,785.00.

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

A. Controlling Board Approvals (continued)

- 533 Approves the transfer and release of \$1,958.79 from Rotary A to G-2-G T-Hangar Project, H.B. 831 for payments for architect's services and work performed by the University Service Department.
- 534 Authorizes the transfer and release of \$107,432.00 from Rotary A to G-3-C Repairs to Stadium Scholarship Dormitories, Phase V, H.B. 831, to provide funds for the contracts.
- 535 Approves of the award of contracts to the low bidders on the project "Replace and Repair Acid Drains - University Hospital" in the total amount of \$30,730.00; authorizes the expenditure of \$19,207.14 in Item 088, H.B. 1124; authorizes the transfer and release of \$11,850.00 from Hospital Rotary to a new account; and authorizes the release of \$3,755.00 in Item 088, H.B. 1124; for the contracts and miscellaneous costs.
- 536 Authorizes the transfer of \$11,850.00 from Hospital Rotary to G-2-B Replace and Repair Acid Drains in North Wing, H.B. 831.
- 538 Approves the award of contracts for the project "Administration Building Remodeling - Third Floor" in the total amount of \$86,108.00.
- 539 Authorizes the transfer of \$25,513.59 from Rotary A to G-3-F Administration Building Remodeling Third Floor, H.B. 831.
- 541 Authorizes the transfer of \$72,000.00 from Item 080 Fine Arts Building, to Item 077 Land Purchases, H.B. 1124.
- 542 Approves the purchase of property from Capital Realty Company for the sum of \$35,000.00.
- 543 Approves the purchase of property from Jayne B. Lev for the sum of \$16,000.00.
- 544 Approves the purchase of property from Virginia S. Stecker for the sum of \$21,000.00.
- 546 Authorizes the release of \$3,000.00 for the employment of an engineer for preliminary analysis of the structural design to provide offices for the Personnel Research Board under the east side of the Stadium. Funds are available in Rotary A-12100.
- 547 Authorizes ten-day advertising for the project Ice Rink, Phase III.
- 548 Authorizes expenditure of funds required to initiate the project "Hamilton Hall Improvements" when bids are received.
- 549 Authorizes the award of an extra order on the project "Addition to Fine Arts Building" in the amount of \$13,200.00 without further competitive bidding and the release of \$3,570.87 balance in Item 080, H.B. 1124, to provide sufficient funds.

July 14, 1961 meeting, Board of Trustees

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

B. Emergency Board Approvals

- 34 Approves an allocation of \$5,000.00 from Item 850, H.B. 1124, to provide funds for the completion of buildings.
- 35 Approves an allocation of \$890.42 from Item 850, H.B. 1124, to provide funds for the Site Improvement of the North Wing, University Hospital.

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X. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE

A. Derby Hall - University Bookstore

It is recommended that the firm of Fred E. Wright & Wm. W. Gilfillen, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and complete supervision of construction.

The fee for this service will be 10 per cent of the contract cost less \$768.00 which has been paid for preliminary work and funds will be provided from the Bookstore Rotary.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

B. Golf Course Maintenance Building No. 2

It is recommended that the firm of H. A. Williams & Associates, Columbus, Ohio, be employed to provide complete professional engineering services for plumbing, heating and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost.

The fee for this service will be \$650.00 payable from Athletic Revenue Funds.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

C. Baker Hall, Repair of Showers

It is recommended that the firm of Fred E. Wright and Wm. W. Gilfillen, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and complete supervision of construction.

The fee for this service will be 8 per cent of the contract cost and funds will be provided from Dormitory Revenue Funds.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

X. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

D. Scholarship Dormitories, Phase VI

It is recommended that Ralph & Curl, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating, plumbing and electrical work for this project, including design, preparation of drawings, specifications, and estimate of cost, and the necessary personnel and instruments for the supervision and checking of the balancing of the heating system.

The fee for this service will be calculated on an hourly basis of \$7.50 per hour for a principal, \$6.00 per hour for an engineer, and \$4.50 per hour for a draftsman, the total fee not to exceed \$1,500.00. Funds will be provided by a transfer from the General University Fund to a building account in the new appropriations bill.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

E. Men's Housing Nos. 1 and 2

It is recommended that the action taken by the Board of Trustees on June 8, 1961, relative to the employment of an engineer for services in connection with necessary checking of structural design be rescinded.

It is further recommended that the State Architect, Department of Public Works, be employed for complete checking of structural design for residence buildings Nos. 1 and 2 at a fee not to exceed \$1,440.00. Funds are available in the Dormitory Construction Account for this purpose.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendations were unanimously approved by roll call vote.

F. Veterinary Clinic Building, Remodel Room 16

It is recommended that Fred E. Wright & Wm. W. Gilfillen, Columbus, Ohio, be employed to provide architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and supervision of construction.

The fee for this service will be 10 per cent of the construction cost and funds are available in an account established by a transfer from Student Pro Rata Rotary.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

G. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Okey R. Starr be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board

July 14, 1961 meeting, Board of Trustees

X. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

G. Special Policeman Commission (continued)

of Trustees require Mr. Starr, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount not less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

H. Demolition of University Buildings

Upon the recommendation of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all structures located at the following addresses be demolished as soon as practical:

178 West Woodruff Avenue
164 West Woodruff Avenue
River Road Dormitory Area, Buildings Numbered 11, 20, 22,
24, 26 and 27

The demolition of these buildings will be advertised in the usual manner.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

I. Installation of Water Softening and Heating Equipment in the Laundry

It is recommended that H. A. Williams and Associates, Columbus, Ohio, be employed to provide complete professional engineering services for this project including design, preparation of drawings, specifications and estimate of cost.

The fee for this service will be calculated on an hourly cost basis plus 100 per cent, the total fee not to exceed \$3,200.00. Funds for this project will be provided from Laundry Rotary 75910.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

J. Purchase of Buildings and Property, 179 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Ora E. Trout at a price of \$12,120.00:

Property known as 179 West Frambes Avenue, being
lot #96, R. P. Woodruff's Agricultural College Addition,
City of Columbus, County of Franklin, State of Ohio.

Approval of this purchase is subject to the receipt of an appropriation for purchase of land for the Biennium 1961-63.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

July 14, 1961 meeting, Board of Trustees

X. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

K. Purchase of Buildings and Property, 1607-1609 Hunter Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Haskell Wurtz, Administrator, with the will annexed of the Estate of Frances M. Lewis, deceased, at a price of \$13,500.00:

Property known as 1607-1609 Hunter Avenue, being
lot #18, John A. Evan's College View Addition,
City of Columbus, County of Franklin, State of Ohio.

Approval of this purchase is subject to the receipt of an appropriation for purchase of land for the Biennium 1961-63.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

L. Purchase of Buildings and Property, 2764 Case Road

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from William L. Parker, Guardian of Bertie L. Lane, at a price of \$5,200.00:

Property known as 2764 Case Road, being .45 acre
more or less including four room frame residence
in Perry Township, County of Franklin, State of
Ohio.

Approval of this purchase is subject to the receipt of an appropriation for purchase of land for the Biennium 1961-63.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

A. Clarence Merton Brown

The Board of Trustees expresses its sorrow at the death on June 24, 1961, of Clarence Merton Brown, Associate Professor Emeritus of Pharmacy and Secretary of the College of Pharmacy from 1920 to 1952.

Professor Brown was born in Galion, Ohio, on February 6, 1887. He attended Galion High School and The Ohio State University, receiving the degree B.Sc. in Pharmacy in 1911. He continued his education later while serving on the faculty of the College of Pharmacy and received the M.A. degree in 1935.

July 14, 1961 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Clarence Merton Brown (continued)

Professor Brown began a long and successful teaching career in 1912 when he accepted a position as instructor in the high school at Logan, Ohio. New teaching opportunities took him to Zanesville High School in 1913 and to Springfield High School in 1920. When teaching duties did not demand all of his time, especially during the summer vacations, he contributed his services and professional knowledge to the public as a registered pharmacist in numerous neighborhood pharmacies.

In 1920 he was appointed Assistant Professor of Pharmacy and Secretary of the College of Pharmacy at The Ohio State University. He served as Secretary of the College during all of his thirty-two years at the University and held the position of Associate Professor of Pharmacy from 1938 until his retirement June 30, 1952.

Numerous publications in pharmaceutical journals attest to Professor Brown's interest in advancing pharmaceutical education. He was also the author of several laboratory manuals for first-year students in pharmacy.

Professor Brown was always a loyal and enthusiastic supporter of the professional fraternities and student organizations. He was a member of Rho Chi, the national honor society in Pharmacy; an honorary member of Phi Delta Chi, national professional pharmaceutical fraternity; faculty advisor to Phi Rho Alpha; and co-advisor to The Ohio State University Student Branch of the American Pharmaceutical Association for several years. He was a member of the American Pharmaceutical Association, First Congregational Church, and University Lodge F and AM 631.

Sincerity, fairness, enthusiasm, insistence upon perfection, and devotion to his job and to his profession were qualities attributed to Professor Brown by the hundreds of students who were privileged to attend his classes in Pharmacy. His contributions to the College of Pharmacy and to The Ohio State University through trying times of a major depression and world conflict can never be recognized adequately by words.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Carl Warren Gay

The Board of Trustees expresses its sorrow at the death on July 3, 1961, of Carl Warren Gay, Professor Emeritus of Animal Science.

Dr. Gay was born in Waverly, New York, on March 14, 1877. Following his graduation from Ithaca High School he enrolled at Cornell University. He graduated from the College of Veterinary Medicine at Cornell in 1899 and remained to accept a graduate fellowship in bacteriology. After completing this graduate experience, Dr. Gay was employed by the New York State Board of Health.

July 14, 1961 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Carl Warren Gay (continued)

In September, 1901, Dr. Gay was appointed Assistant Professor of Veterinary Medicine at Iowa State College. While at Ames, Dr. Gay, in quest of additional training and experience in the livestock field, arranged to be a part-time student in animal husbandry. In 1903 he joined the Animal Husbandry Department at Iowa State College with the rank of Assistant Professor and with permission to continue his studies.

Dr. Gay's first service to The Ohio State University was as Assistant Professor in Animal Husbandry in the spring term of 1905, after which he returned to Iowa State College in June to graduate and receive his B. S. A. degree. He returned to The Ohio State University as Associate Professor in Animal Husbandry.

Dr. Gay remained on the staff at The Ohio State University until July, 1907, at which time he transferred to The University of Pennsylvania as Professor of Animal Husbandry in the College of Veterinary Medicine. He moved back to the Midwest in 1916 to accept appointment as Chairman of the Department of Animal Husbandry at the University of Minnesota. He served the livestock interests in the Gopher State until August, 1920, when he returned to The Ohio State University as Chairman of the Animal Husbandry Department.

Dr. Gay held the Chairmanship of Animal Husbandry at The Ohio State University until he asked to be relieved of this responsibility in 1940. He continued to be an active staff member and teacher until he retired in 1947. Dr. Gay maintained his keen interest in the livestock industry and the Department during his years as Professor Emeritus.

Upon the receptive minds of his students lasting impressions have been made--impressions of a friendly man with a quizzical smile--a kindly man most often described as "truly a gentleman and a scholar."

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. Harry Everett LeFever

The Board of Trustees expresses its sorrow at the death on June 18, 1961, of Harry Everett LeFever, Professor and Director of the Division of Neurological Surgery.

Dr. LeFever was born in Mountville, Ohio, on April 2, 1900, and was reared in Glouster, Ohio. From his earliest days the practice of medicine held great interest for him. He frequently accompanied his physician father on rounds in the community, slowly nurturing his career in medicine. He was graduated from Glouster High School with honors. In 1922 Dr. LeFever was graduated Phi Beta Kappa from Ohio University, Athens, Ohio, with the A. B. degree and in 1925 received his M. D. degree from Jefferson Medical College, Philadelphia, Pennsylvania. He was a member of Sigma Xi and Alpha Omega Alpha.

July 14, 1961 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Harry Everett LeFever (continued)

Dr. LeFever spent his postgraduate years as an intern and a resident in surgery at Philadelphia General Hospital from 1925 through 1927. There he met and married Grace E. Riggs in 1928. He came to Columbus, Ohio, in 1928, where he opened his office in general practice. During this period he exhibited a profound interest in the nervous system and gradually expanded his practice in this field. In the early 1930's he visited and audited the Neurosurgical Clinics at Rochester, Minnesota; at Peter Bent Brigham Hospital at Harvard; and in Philadelphia, Pennsylvania; Paris, France; and London, England. In 1930 he was appointed Instructor in Surgery at The Ohio State University College of Medicine, Columbus, Ohio, under Dr. Verne Dodd and served in this capacity until 1937. He was then appointed Assistant Professor of Surgery and in 1944 was named Professor and Director of the Division of Neurological Surgery. He held this Chair until his death. He also served as Chief of the Section of Neurological Surgery at White Cross Hospital and Children's Hospital, Columbus, Ohio.

Honors befell Dr. LeFever successively for outstanding community service and professional excellence. He was a Diplomat of the American Board of Neurology and the American Board of Neurological Surgery, a Fellow of the American College of Surgeons, and a member of the Central Surgical Association. He served as President of the Columbus Academy of Medicine in 1942; Treasurer of the Ohio State Medical Association 1943-1946; President of the Ohio Society of Neurosurgeons 1948-1950; and President of the Columbus Surgical Society in 1960. He was a member of the Ohio State Medical Association, American Medical Association, Columbus Academy of Medicine, Columbus Surgical Society, Harvey Cushing Society, Interurban Neurosurgical Society, Central Neuropsychiatric Association, and the Central Ohio Neuropsychiatric Association. During World War I he served as an Apprentice Seaman and in World War II as a Lieutenant Commander.

Dr. LeFever always stood in silent awe in the presence of greatness, and yet within himself greatness found a humble home. He was, above all, a gentleman in the truest sense. He lived to excel and was a devoted scholar, an untiring and inspiring teacher, and a skillful surgeon. In his lifetime he exerted a profound influence on those about him. This was especially true of the many medical students whose careers were strongly influenced by his touch.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

D. Erwin Eugene Lewis

The Board of Trustees expresses its sorrow at the death on June 11, 1961, of Erwin Eugene Lewis, Professor Emeritus of Education.

Dr. Lewis was born in Orwell, New York, on July 20, 1882. He obtained an A.B. and M.A. degree from Stanford University and the Ph.D. degree from Columbia University. Dr. Lewis joined the University staff in 1926 as

XI. RESOLUTIONS IN MEMORIAM (continued)

D. Erwin Eugene Lewis (continued)

Chairman of the Department of School Administration and Professor of Education, following teaching assignments at California State Normal School, Eastern Illinois State Normal School, the University of Iowa, and positions as Superintendent of Schools at Rockford, Illinois, and Flint, Michigan. Throughout his professional career Professor Lewis was in great demand as a lecturer and summer school teacher. He taught at Indiana University, the Universities of Chicago, Michigan, Wyoming, Northwestern, and Hawaii. He retired from the University on July 30, 1952, after serving twenty-six years as an administrator and professor in the College of Education and, following his retirement, serving the University for two years by giving direction to the establishment of a College of Education on the island of Guam.

Professor Lewis was a man of many interests, as is indicated by the variety of his professional activities. Not only did he contribute articles and books in the field of educational administration, but many of his writings were in the form of curriculum materials to be used in elementary and secondary schools. In addition to being the co-author of a series of twenty-six English books, he was a contributor to the field of spelling and social studies.

Dr. Lewis was active in many professional organizations, including the National Education Association, the American Association of School Administrators, the National Vocational Education Association, the National Society for the Scientific Study of Education, Phi Delta Kappa, and Sigma Phi Epsilon. He was one of the founders and charter members of the National Conference of Professors of Educational Administration.

Dr. Lewis was devoted to the cause of educational leadership. Many superintendents of schools in Ohio and adjoining states attest to the fact that it was through his influence that they were persuaded to obtain the advanced preparation necessary for the positions which they hold today. Dr. Lewis was not only a teacher respected for the practical help he could give to young administrators, but he was their friend as well. No statement or record can do justice to his interest in students and to the many deep and abiding friendships that resulted from this teacher-student relationship. The sincerity of his interest in helping men of high potential for leadership in education is expressed by his generous contribution to the E. E. Lewis Fellowship Fund which he established at the time of his retirement.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

July 14, 1961 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

E. William Marshall MacNevin

The Board of Trustees expresses its sorrow at the death on July 5, 1961, of William Marshall MacNevin, Professor of Chemistry.

Professor MacNevin was born in Chelsea, Massachusetts, on September 20, 1906. He was graduated from Mt. Allison College in 1927 and received the A.M. degree from Harvard University in 1932 and the Ph.D. degree from The University of Minnesota in 1936. He then joined the staff of the Department of Chemistry of The Ohio State University in October 1936 and moved through the ranks to become Professor and Head of the Division of Analytical Chemistry in 1948, which position he held at the time of his death. During this period Dr. MacNevin published over 66 papers in chemical research and chemical education and was co-author of three books in Analytical Chemistry and two sets of Laboratory Procedures and Notes.

Professor MacNevin carried out a dynamic, well-balanced program of teaching, research, writing, and professional and community work. In 1954 he won the "Honored Teacher of the Year" award in the College of Arts and Sciences, a signal mark of distinction for teaching in the undergraduate courses. In his graduate work he directed the research and thesis work of 20 Ph. D. graduates and 18 M.S. candidates.

In his Department Dr. MacNevin served faithfully on many important committees, including the executive committee during 1960-61. In the College and University he served on most of the principal committees, boards and councils. In the community he was a leader in the First Congregational Church, a member of the choir and of the official board. In his professional service he contributed to the programs of the Division of Analytical Chemistry and of Chemical Education. He was regarded as a leader of his profession--versatile, appreciative, exacting, thorough, inquiring, and untiring in all of his efforts.

Professor MacNevin served this University as an effective scholar, teacher, researcher, and leader for a quarter of a century. His contribution will be long remembered and respected.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORT

A. Report on Transfer of Columbus Hospital and State Institute of Psychiatry to The Ohio State University

President Fawcett presented the following report on the transfer of the Columbus Hospital and State Institute of Psychiatry to The Ohio State University.

July 14, 1961 meeting, Board of Trustees

XII. REPORT (continued)

A. Report on Transfer of Columbus Hospital and State Institute of Psychiatry to The Ohio State University (continued)

The 1961-62 budget for the Columbus Hospital and State Institute of Psychiatry, which agency was transferred to the University on July 1, 1961, has not yet been developed by the Department of Finance. Three hospitals in the Department of Mental Hygiene and Correction were combined in the Department of Finance budget and calculations must be completed in order to separate them.

It is therefore recommended that the President and the Vice President, Business and Finance, be authorized to negotiate with the Department of Finance in developing the budget for this agency in accordance with the requirements of Amended Senate Bill No. 453, said budget to be reported to the Board at its next meeting. It is recommended further that authority be granted through the President to make expenditures for the operation of this agency on an interim basis until the negotiations are completed and final action is taken by the Board.

Upon motion of Mr. Loop, seconded by Mr. Davis, the Board of Trustees by unanimous roll call vote approved the above recommendations.

The President further recommended and the Board of Trustees by unanimous consent approved the inclusion of the following letter concerning the transfer of the Columbus Hospital and State Institute of Psychiatry to The Ohio State University.

C	State of Ohio
O	DEPARTMENT OF MENTAL HYGIENE AND CORRECTION
P	State Office Building
Y	Columbus (16)

July 1, 1961

Board of Trustees
Ohio State University
Columbus 10, Ohio

Gentlemen:

Pursuant to the passage by the Ohio Legislature and the concurrence of the Governor by signing Amended Senate Bill No. 453, the Columbus Hospital and State Institute of Psychiatry is hereby transferred to the Board of Trustees of the Ohio State University effective July 1, 1961.

The provisions of this transfer as detailed in Amended Senate Bill No. 453, Section 3, paragraphs (A) and (B), are hereby included in this order.

July 14, 1961 meeting, Board of Trustees

XII. REPORT (continued)

A. Report on Transfer of Columbus Hospital and State Institute of Psychiatry to The Ohio State University (continued)

Board of Trustees

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July 1, 1961

"Section 3. (A) On or before July 1, 1961, the director of the department of mental hygiene and correction shall order in writing the transfer forthwith of all facilities and equipment of the Columbus hospital and state institute of psychiatry to the board of trustees of the Ohio state university. Upon completion of construction and installation of equipment, the director shall transfer to such board of trustees the new wing of the Columbus hospital and state institute of psychiatry authorized by item 785 of section 1 of Amended House Bill No. 1124 entitled 'An Act to make appropriations for capital improvements and other general purposes, for the biennium beginning July 1, 1959 and ending June 30, 1961, and to declare an emergency. ', passed July 24, 1959, approved August 1, 1959, and effective August 1, 1959.

"(B) All employees of the Columbus hospital and state institute of psychiatry in the classified civil service, upon transfer of such institution from the bureau of psychiatric training and research to the board of trustees of the Ohio state university, may elect to become members of the staff of the university or to remain employees of the department of mental hygiene and correction in another institution or place under the control of the department of mental hygiene and correction in another institution or place under the control of the department, and under either election shall retain the same civil service rights, seniority, length of service, and compensation in effect at the time of such transfer."

Due to the language of Amended Senate Bill No. 453, Section 3., which states that the transfer include "all facilities and equipment," the Attorney General was asked for advice concerning the transfer of supplies, the Industrial and Entertainment Fund, the Commissary Fund and the medical and other records. According to this advice, we are hereby transferring the foregoing supplies, funds and records to the jurisdiction of The Ohio State University.

The Contingent Fund, which was established by Controlling Board action utilizing appropriated funds, will be closed and returned to the General Fund.

Operating funds for the next biennium will be transferred by Controlling Board action upon the enactment and approval of Substitute House Bill No. 390.

Yours very truly,

(Signed)

R. A. HAINES, M. D.
Director

July 14, 1961 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, September 8, 1961, at Gibraltar Island.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX I

Exhibit "A"

PROPOSED

ARTICLES OF INCORPORATION OF THE OHIO LEGAL CENTER

PROPOSED

ARTICLES OF INCORPORATION OF THE OHIO LEGAL CENTER

The undersigned, all of whom are citizens of the United States, desiring to form a non-profit corporation under the Non-Profit Law of Ohio, hereby certify:

FIRST: The name of the corporation shall be THE OHIO LEGAL CENTER.

SECOND: The principal office of the corporation shall be located in the City of Columbus, Franklin County, Ohio.

THIRD: The primary objects and purposes for which the corporation is formed are:

a. The design, promotion, and administration of cooperative programs in legal research, to the end of furtherance and betterment of the administration of justice in Ohio and elsewhere; and

b. The development, promotion, and administration of cooperative programs for the continuing education of the Bar and of law-related groups, to the end of furtherance and improvement of the legal profession in Ohio and elsewhere.

FOURTH: To the end of achieving the primary objects and purposes of incorporation the corporation shall have power:

a. To receive grants, gifts, devises and bequests of money or property of whatsoever kind and wheresoever situated, to maintain a fund or funds, and to apply the income and the principal thereof to the objects and purposes of the corporation;

b. To acquire by purchase, lease, devise, gift, or otherwise, and to hold, own, occupy, use, manage, improve, develop, maintain, lease, sell, mortgage, transfer, or otherwise deal with real and personal property of whatsoever kind or description and wheresoever situated and any estate or interest therein whether legal or equitable;

c. To borrow money and to make, accept, indorse, execute and issue promissory notes and other evidences of indebtedness and obligation in payment for property acquire or money borrowed, and to secure the payment thereof and interest thereon by mortgage upon or pledge of any part of the acquired property of the corporation;

d. To take all actions necessary or proper for the accomplishment of the purposes of the corporation, without territorial limitation.

FIFTH: The members of this corporation shall be: The Ohio State University, The Ohio State Bar Association, The Ohio State Bar Association Foundation. These named members shall be and shall remain the only members of this corporation.

SIXTH: The number of Trustees of the corporation shall be nine. It being basic to the cooperative programs envisaged in the creation of this corporation that the Board of Trustees of the corporation shall be equally representative of The Ohio State University, The Ohio State Bar Association, and The Ohio State Bar Association Foundation the nine trustees shall be named as follows: three Trustees for The Ohio State University by its Board of Trustees; three Trustees for The Ohio State Bar Association, by its Executive Committee; three Trustees for The Ohio State Bar Association Foundation, by the Foundation Trustees. Each Trustee shall serve at the pleasure of the designating member pending selection of a successor.

July 14, 1961 meeting, Board of Trustees

Proposed Articles of Incorporation of The Ohio Legal Center (continued)

SEVENTH: The names and post office addresses of the persons who shall serve as the Trustees of the corporation, until their respective successors are named, are as follows:

A. Trustees designated by The Ohio State University--

1. Frank R. Strong, 1659 North High Street, Columbus 10, Ohio
2. Robert J. Nordstrom, 1659 North High Street, Columbus 10, Ohio
3. Ervin H. Pollack, 1659 North High Street, Columbus 10, Ohio

B. Trustees designated by The Ohio State Bar Association--

4. Matthew J. Smith, 119 West High Avenue, New Philadelphia, Ohio
5. John C. Johnston, 146 East Liberty Street, Wooster, Ohio
6. Charles M. Zeikowitz, 101-1/2 South Main Street, Mt. Vernon, Ohio

C. Trustees designated by The Ohio State Bar Association Foundation--

7. Fred A. Smith, Toledo Trust Building, Toledo 4, Ohio
8. C. Kenneth Clark, Mahoning Bank Building, Youngstown, Ohio
9. Andrew S. Iddings, Third National Building, Dayton 2, Ohio

EIGHTH: No part of the net income of the corporation shall enure to the direct benefit of any Trustee, officer or employee of the corporation or any person having an interest in the activities of the corporation, and no Trustee, officer or employee of the corporation or any other person having a private or personal interest in the activities of the corporation shall receive or lawfully be entitled to receive any pecuniary profit of any kind therefrom, except reasonable compensation for services in effecting one or more of its objects or purposes. In case of the dissolution of the corporation, no dividends or any other distribution of any of the property of the corporation shall be made to any Trustee, officer or employee thereof or any other person having a personal and private interest in the activities of the corporation, but all such property and assets shall be applied to accomplish the general purposes for which the corporation is organized.

NINTH: All of the undersigned subscribers to this certificate are of full age, are citizens of the United States, and are residents of the State of Ohio; and of the persons above named as Trustees all are citizens of the United States and are residents of the State of Ohio.

IN WITNESS WHEREOF, we have made and subscribed this certificate this _____ day of July, 1961.

Incorporators

July 14, 1961 meeting, Board of Trustees

Proposed Articles of Incorporation of The Ohio Legal Center (continued)

APPOINTMENT OF AGENT FOR THE OHIO LEGAL CENTER

Columbus, Ohio

July , 1961

The undersigned, the incorporators of The Ohio Legal Center, hereby appoint JOSEPH B. MILLER, 33 West Eleventh Avenue, Columbus, Franklin County, Ohio, as the agent upon whom process, tax notices and demands upon the corporation may be served.

Incorporators

The Ohio Legal Center

Gentlemen:

I hereby accept the appointment as agent for the corporation as provided above.

Joseph B. Miller

Columbus, Ohio

STATE OF OHIO, FRANKLIN COUNTY, SS.:

BE IT REMEMBERED, THAT on July , 1961, before me, a Notary Public in and for said county and state, personally appeared the aforesaid Joseph B. Miller who acknowledged that he signed the foregoing acceptance of agency for the purposes therein mentioned and that the signing was his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto fixed my official seal and signed my name, on the date first above mentioned.

Notary Public

APPENDIX II

Exhibit "B"

PROPOSED

CODE OF CORPORATE REGULATIONS

PROPOSED
CODE OF CORPORATE REGULATIONS

ARTICLE I

MEMBERS:

The members of this corporation shall hold no meetings. All business, communications or determinations to be transacted, transmitted or voted by members shall be done on behalf of each member by the Trustees of this corporation selected by that member.

ARTICLE II

POWERS AND FUNCTIONS OF THE TRUSTEES:

Section 1. The Trustees as a board shall have and exercise full power of management and direction of the business and policies of the corporation, subject only to retention of ultimate control in The Ohio State University, The Ohio State Bar Association, The Ohio State Bar Association Foundation.

Section 2. The Board of Trustees, for the direct execution of the twin primary objects of the corporation, shall divide itself into two standing committees, one to be the Committee on Continuing Legal Education and the other to be the Committee on Legal Research. These committees shall be severally responsible to and shall report to the Board of Trustees as the governing body of the corporation.

Section 3. The Committee on Continuing Legal Education shall be charged with direction of the cooperative program of continuing education of the Bar and of law-related groups. It shall be composed of:

- A. The Dean of the College of Law, The Ohio State University.
- B. The member of the Faculty of the College of Law, The Ohio State University, serving as director of the College's program in continuing education.
- C. Two Trustees named by The Ohio State Bar Association.
- D. One Trustee named by The Ohio State Bar Association Foundation.

Section 4. The Committee on Legal Research shall be charged with direction of the cooperative program in legal research. It shall be composed of:

- A. The Dean of the College of Law, The Ohio State University.
- B. The member of the Faculty of the College of Law, The Ohio State University, serving as director of the College's library research services.
- C. That Trustee named by The Ohio State Bar Association not serving on the Committee on Continuing Legal Education.
- D. Those Trustees named by The Ohio State Bar Association Foundation not serving on the Committee on Continuing Legal Education.

July 14, 1961 meeting, Board of Trustees

Proposed Code of Corporate Regulations (continued)

Section 5. The Executive Secretary of The Ohio State Bar Association shall sit as a non-voting member of the Committee on Continuing Legal Education and the Committee on Legal Research.

ARTICLE III

MEETINGS OF BOARD AND COMMITTEES:

Section 1. Regular meetings of the Board of Trustees shall be held in March and September of each year, at the principal office of the corporation, on the dates fixed for the twice-yearly meetings of committees of The Ohio State Bar Association. Special meetings of the Board of Trustees may be called by the chairman or any three Trustees, any such meetings to be held at any time and at any place provided in the notice thereof.

Section 2. Notice of all special meetings of the Trustees shall be given by mail or personally, by the secretary or by the chairman, at least ten days in advance of each such special meeting.

Section 3. Six of the Trustees shall constitute a quorum for any meeting of the Board of Trustees, regular or special, provided that not less than two represent the College of Law.

Section 4. It is expressly provided that any action to be taken by the Board of Trustees, whether in regular or special meeting, may be at the election of the Trustees taken in writing without a meeting, as provided in Ohio Rev. Code Sec. 1702.25.

Section 5. The Committee on Continuing Legal Education and the Committee on Legal Research shall meet on call of their respective chairmen.

ARTICLE IV

OFFICERS AND COMMITTEE CHAIRMEN:

Section 1. The officers of the corporation shall consist of a chairman, a vice chairman, a secretary, and a treasurer, and such other officers as may from time to time be appointed by the Board of Trustees. The chairman and vice chairman shall be Trustees of the corporation.

Section 2. The officers shall be elected at the first meeting of the Board of Trustees held in each year, and shall hold office for a term of one year or until their successors are elected. Vacancies may be filled at any regular or special meeting of the Board.

Section 3. The chairman shall preside at all meetings of the Board of Trustees. Except as otherwise hereinafter provided by these regulations or by resolution duly adopted at any meeting, the chairman shall sign for the corporation all deeds and other agreements and formal instruments, and he shall perform such other duties as may be assigned to him by the Trustees.

Section 4. The vice chairman shall exercise all powers of the chairman during the absence or disability of the chairman.

July 14, 1961 meeting, Board of Trustees

Proposed Code of Corporate Regulations (continued)

Section 5. The secretary shall take and keep true minutes of all meetings, shall have custody of the corporate records, shall notify Trustees of regular and special meetings of the Board, and shall in general perform all duties incident to the office of secretary, as well as such other duties as may be assigned to him by the chairman of the Trustees.

Section 6. The treasurer shall discharge the functions customarily associated with this office.

Section 7. The Board of Trustees may appoint other administrative personnel to further the objectives of the corporation.

Section 8. Chairmen of the Committees on Continuing Legal Education and on Legal Research shall be elected by the respective committees, to serve at committee pleasure.

ARTICLE V

ADVISORY COUNCILS:

Section 1. There shall be an advisory council to advise the corporation's Committee on Continuing Legal Education. Such Advisory Council on Continuing Legal Education shall include the following invitees:

- A. A representative of the University of Cincinnati College of Law.
- B. A representative of Western Reserve University School of Law.
- C. A representative of the League of Ohio Law Schools, designated by its Executive Committee.
- D. A representative of the Cincinnati Bar Association, designated by the Executive Committee of such Association.
- E. A representative of the Cleveland Bar Association, designated by a committee of that Association.
- F. A representative of the Columbus Bar Association, designated by the Executive Committee of that Association.
- G. Three representatives of other local bar associations, such representatives to be designated by the executive committees of the respective local bar association invited to participate. Such local associations shall be rotated by direction of the corporation's Committee on Continuing Legal Education.

Section 2. There shall be an advisory council to advise the corporation's Committee on Legal Research. This Advisory Council on Legal Research shall include the following invitees:

- A. Two representatives of the Ohio Judicial Council, designated by its Executive Committee.
- B. Two representatives of the League of Ohio Law Schools, designated by its Executive Committee.

July 14, 1961 meeting, Board of Trustees

Proposed Code of Corporate Regulations (continued)

C. The Director or representative designate of the Ohio Legislative Service Commission.

Section 3. Meetings of the Advisory Councils shall be called by the Chairman of the Board of Trustees or by the chairmen, respectively, of the Committee on Continuing Legal Education and the Committee on Legal Research.

ARTICLE VI

FISCAL PROVISIONS:

Section 1. Any two of the following persons, viz.: the chairman, the vice chairman, and the secretary shall have authority to execute such form of transfer and assignment as may be customary or necessary to constitute a transfer of stocks, bonds or other securities standing in the name of or belonging to the corporation.

Section 2. Receipt, disbursement, and accounting of funds in the program of continuing legal education shall be handled ministerially by the headquarters offices of The Ohio State Bar Association for the corporation's Committee on Continuing Legal Education. Said headquarters offices of The Ohio State Bar Association shall account to and report to the chairman of the corporation's Committee on Continuing Legal Education or such other personnel as the Board of Trustees may designate.

Section 3. Receipt, disbursement, and accounting of funds in the legal research program shall be handled ministerially by The Ohio State Bar Association Foundation for the Committee on Legal Research. The treasurer of the Foundation shall account to and report to the chairman of the corporation's Committee on Legal Research or such other personnel as the Board of Trustees may designate.

Section 4. The Ohio State Bar Association Foundation shall constitute the corporation's receiving and disbursing agent for gifts, grants, devises and bequests made to the corporation for projects in research and in education.

ARTICLE VII

WAIVER OF NOTICE:

Whenever any notice whatsoever is required to be given under the provisions of the law of the State of Ohio or under the provisions of the articles of corporation or the code of regulations of this corporation, a waiver thereof in writing signed by the Trustees or such other persons entitled to said notice, shall be effective whether done before or after the time stated therein.

ARTICLE VIII

AMENDMENTS:

Section 1. Amendment of the code of regulations shall require the affirmative vote of any two of the Trustees named by the Board of Trustees of The Ohio State University and of any four Trustees named respectively by The Ohio State Bar Association and The Ohio State Bar Association Foundation.

July 14, 1961 meeting, Board of Trustees

Proposed Code of Corporate Regulations (continued)

Section 2. Amendment of the code of regulations may be made at any regular or special meeting of the Board of Trustees upon the giving of 45 days notice to all Trustees by mail by the secretary of the corporation.

APPENDIX III
THE OHIO STATE UNIVERSITY COMMENCEMENT
August 25, 1961

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GRADUATE SCHOOL

Dean: EVERETT WALTERS

Doctor of Philosophy

- Ali Mohamed Hassan Al-Dawody, M.Sc. Jubran Hilla, Iraq
Dissertation: The Enzymatic Synthesis of Asparagine
Field of Specialization: Agricultural Biochemistry
- Salah El-Din Fawzi Ali, Pharm.Chem. (Royal College of Pharmacy, Iraq);
M.Sc. Baghdad, Iraq.
Dissertation: A Study of Freeze-dried Dandelion Root
Field of Specialization: Pharmacy
- Robert Louis Bartels, B.Sc. in Edu., M.A. Columbus
Dissertation: A Comparison of Anatomical and Physiological Dead
Space during Voluntary Hyperventilation and Exercise
Field of Specialization: Physical Education
- Henry Michaels Beisner, B.Sc. in Phys., M.Sc. Tiffin
Dissertation: Analysis of the Nuclear Magnetic Resonance Spectrum of
1,1,2,2-Tetrafluoroethane
Field of Specialization: Physics
- Carl Fleming Bell, B.S. (Muskingum College); M.S. (Miami University)
New Concord
Dissertation: Cultural and Pathogenic Variability of Verticillium albo-
atrum
Field of Specialization: Botany and Plant Pathology
- LeBaron Park Benjamin, Jr., B.S., M.S. (Rutgers University)
Ridgewood, N. J.
Dissertation: The Use of Uramite as a Source of Nitrogen Fertilizer
for Woody Ornamental Plants
Field of Specialization: Horticulture
- Robert Cannon Bennion, B.A. (Brigham Young University); M.A.
Vernon, Utah
Dissertation: Task, Trial by Trial Score Variability, and Individual
Differences as Affecting Perception of Internal versus
External Control of Reinforcements
Field of Specialization: Psychology
- Joseph Goldridge Bentley, B.S., M.A. (Florida State University)
North Miami Beach, Fla.
Dissertation: Aldous Huxley and the Anatomical Vision
Field of Specialization: English
- Charles Wesley Bert III, B.S., M.S. (Pennsylvania State University)
Columbus
Dissertation: Analysis of Nonhomogeneous, Polar-orthotropic Circular
Disks That Vary in Thickness
Field of Specialization: Engineering Mechanics
- Mulki Radhakrishna Bhat, B.Sc. (Bombay University); M.Sc.
(Poona University) Udipi, Madras, India
Dissertation: The Radioactivity of Terbium-158 and Terbium-157
Field of Specialization: Physics
- Jorgen Wyatt Birkeland, B.Sc., M.Sc. Columbus
Dissertation: A Spectroscopic Investigation of Some Gas Molecules
Excited in a Radio Frequency Discharge
Field of Specialization: Physics
- William Homer Bonner, B.S. (Alabama State Teachers College,
Livingston); M.S. (University of Tennessee) Nauvoo, Ala.
Dissertation: Style Preferences for Marketing Research Reports
Field of Specialization: Education
- Louis Breger, A.B. (University of California at Los Angeles); M.A.
Los Angeles, Calif.
Dissertation: Conformity and the Expression of Hostility
Field of Specialization: Psychology

- James Bulloch, B.B.A., M.B.A. (University of Michigan). Ann Arbor, Mich.
Dissertation: Liabilities: An Examination of Uses of the Word in Accounting and Law, with Special Emphasis on Their Suitability for Corporate Financial Statements
Field of Specialization: Accounting
- N. Laurence Burkhalter, B.S.M. (Bluffton College); M.M. (Northwestern University) Galena
Dissertation: Establishing Criteria for the Evaluation of the Applied Major Area of Instruction for the Bachelor's Degree in Music Education
Field of Specialization: Education
- David Marshall Campbell, B.A., M.A. Columbus
Dissertation: The Figure-Field Relationship in My Painting
Field of Specialization: Fine Arts
- Robert Edward Campbell, A.B. (University of Cincinnati); M.A. Cincinnati
Dissertation: Influence of the Counselor's Personality and Background on His Counseling Style
Field of Specialization: Psychology
- Leonard Milton Chaffee, Jr., A.B. (Hiram College); M.E. (Kent State University) Garrettsville
Dissertation: The Influence of the Location of the Superintendent's Office on the Educational Administration Complex
Field of Specialization: Education
- Leslie George Chatten, B.Sc. in Phar., M.Sc. in Phar. (University of Alberta) Ottawa, Ont., Canada
Dissertation: The Relationship between the Dissociation Constants in Water of Two Series of Organic Bases and Their Half-Neutralization Potentials in Five Organic Solvents
Field of Specialization: Pharmacy
- Norman Theodore Crabb, B.S. (Kent State University); M.Sc. Kent
Dissertation: Polarization Studies of a Dropping Gallium Electrode
Field of Specialization: Chemistry
- Frederick G. Crane, B.A. (Saint Lawrence University, New York); M.A. Marion, N. Y.
Dissertation: Public Control of Price Competition in Automobile Insurance
Field of Specialization: Economics
- Bryant Crawford, Jr., B.S. Edu. (Central State College); A.M. (Columbia University) Wilberforce
Dissertation: Industrial Arts Programs for Adults: A Study to Develop Procedures and Practices with Reference to Industrial Arts Programs with Implications for Adult Living
Field of Specialization: Education
- Patricia Ann Daugherty, B.A. (Seton Hall College); A.M. (Columbia University) Morgantown, W. Va.
Dissertation: A Gel Diffusion Analysis of Tissue Antigens of Two Species of Mice, Peromyscus maniculatus and Mus musculus
Field of Specialization: Zoology
- Dean Trafford Davis, B.E.E., M.Sc. Gallipolis
Dissertation: Application of the Fast Cyclotron Wave of a Magnetically Focused Electron Beam to Frequency Multiplication
Field of Specialization: Electrical Engineering
- David Robert Day, B.S., M.Bus.Adm. (Indiana University) Bloomington, Ind.
Dissertation: Basic Dimensions of Leadership in a Selected Industrial Organization
Field of Specialization: Business Organization

- Roy Allen DeGaugh, B.A., M.A., (University of Texas) Houston, Tex.
Dissertation: Factor Space versus Common Factor Space and a Technique for Extracting All the Factors
Field of Specialization: Psychology
- James Norman Duprey, B.S. (Kent State University); M.A. Cleveland
Dissertation: The Influence of Credit Conditions on State and Local Governments
Field of Specialization: Economics
- Frederick R. E. Durr, A.B. (Marietta College); M.A. (University of Miami) Mifflinburg, Pa.
Dissertation: Economic and Social Effects of Railway Abandonments with Special Reference to Land Use and Taxation
Field of Specialization: Economics
- Mohamed Mohamed El-Behairy, B.Com. (Cairo University); M.A. (University of Minnesota) St. Marys
Dissertation: The Suez Canal in World Politics, 1945-1961
Field of Specialization: Political Science
- Douglas Gordon Embree, B.Sc. (University of New Brunswick); M.S. (New York State College of Forestry) Truro, N. S., Canada
Dissertation: Studies on the Population Dynamics of the Winter Moth Operophtera brumata (L.) (Lepidoptera: Geometridae) in Nova Scotia
Field of Specialization: Entomology
- Austin Benson Ezzell, B.S. in Agr. (Alabama Polytechnic Institute); M.S. (Michigan State University) Columbus
Dissertation: Some Economic Impacts of Selected Types of Legislation on Food Wholesaling and Retailing
Field of Specialization: Agricultural Economics and Rural Sociology
- Elizabeth Smith Foster, B.A. (Western Reserve University); M.A. Lakewood
Dissertation: The Joint-Participation Pattern of Husbands and Wives: A Study in Urban, Middle-Class Families
Field of Specialization: Sociology
- Ronald Samuel Foster, B.Sc. in Bus. Adm., M.B.A. Roscoe
Dissertation: Noninsured Corporate Pension Funds as a Source of Funds for Savings and Loan Associations
Field of Specialization: Business Organization
- George Joseph Franklin, A.B. (University of Nebraska); M.Sc. Lincoln, Nebr.
Dissertation: Geology of Licking County, Ohio
Field of Specialization: Geology
- John Butler Gabel, B.A. (Bob Jones University, South Carolina); A.M. (Wheaton College, Illinois); M.A. Parkesburg, Pa.
Dissertation: The Tudor Translations of Cicero's De Officiis
Field of Specialization: English
- Paul Leo Gaertner, B.S. (College of Saint Thomas) St. Paul, Minn.
Dissertation: Correlation of the Electron Microscopic Morphology of Mouse Liver Mitochondrial Subfractions with the Enzymatic Activity
Field of Specialization: Physiological Chemistry
- Gerald Ernest Paul Gillespie, A.B. (Harvard College); M.A. Cleveland
Dissertation: Heroines and Historical Fate in the Drama of Daniel Casper von Lohenstein
Field of Specialization: German
- Jay Robert Greene, A.B. (Los Angeles State College); M.B.A. (University of California at Los Angeles) Sherman Oaks, Calif.
Dissertation: A Computer Simulation of a Marketing Organization
Field of Specialization: Business Organization

- Mary Claire Griffin, B.S. (Winthrop College, South Carolina); M.S.
(University of Tennessee).....Lynchburg, S. C.
Dissertation: Education Needed for Administrators of Records Management Programs
Field of Specialization: Education
- Franklin Harold Guzzetta, B.Sc.....Dunkirk, N.Y.
Dissertation: Crystal Field Effects in Coordination Compounds: Calorimetric Studies of Some Hexacyano Metal Complexes
Field of Specialization: Chemistry
- Richard Hammond Hall, A.B. (Denison University); M.A.....Cleveland
Dissertation: An Empirical Study of Bureaucratic Dimensions and Their Relation to Other Organizational Characteristics
Field of Specialization: Sociology
- James Richard Hanshumaker, B.Sc. in Edu., M.A.....Lima
Dissertation: Foundations for the Development of a High-School Course in Music Literature Based on the Principles of General Education, with Implications for Teacher Education
Field of Specialization: Education
- Malcolm Howard Hast, A.B. (Brooklyn College); M.A.....New York, N.Y.
Dissertation: The Role of Subglottic Air Pressure and Neural Stimulation in Phonation
Field of Specialization: Speech
- Victor B. Howard, A.B. (Morehead State College, Kentucky); A.M.
(George Peabody College for Teachers, Tennessee).....Niles, Ill.
Dissertation: The Anti-Slavery Movement in the Presbyterian Church, 1835-1861
Field of Specialization: History
- Donald Wayne Jones, B.A. (West Liberty State College, West Virginia); M.A.Columbus
Dissertation: A Comparative Study of Selected Issues in Music Education as Represented in the Opinions of Principals, Music Teachers, and Professors of Music Education
Field of Specialization: Education
- Madelyn Lockhart Kafoglis, A.B. (Denison University); M.A.Gainesville, Fla.
Dissertation: An Analysis of Methodology for County Income Estimation
Field of Specialization: Economics
- Michael Kalk, B.Sc. in Opt., B.Sc. in Edu., M.A.....Campbell
Dissertation: Experimental Analysis of Self-instructional Device Variables with Mentally Retarded
Field of Specialization: Education
- Barbara Ann Kay, B.Sc. in Soc.Adm., M.A.....Springfield
Dissertation: Differential Self Perceptions of Female Offenders
Field of Specialization: Sociology
- Charles Crawford King, B.S. (Marietta College); M.Sc.....Wooster
Dissertation: Effects of Herbicides on Honey Bees and Nectar Secretion
Field of Specialization: Entomology
- Randall Miller Kline, A.B., B.S. in Edu. (Wittenberg University); M.A.Springfield
Dissertation: A Study to Determine the Effectiveness of the Use of the Skill-Builders Controlled Reader as an Instructional Device in Developing Speed and Accuracy in Beginning Typewriting at the Secondary Level
Field of Specialization: Education

- John Andrew Kooistra, Jr., B.A. (University of New Hampshire); M.Sc.
North Andover, Mass.
*Dissertation: The Effect of Chlortetracycline, Alpha Picolinic Acid,
and Versene on Growth and Sporulation of Clostridium
roseum, and Studies on Suppression of the Activity of
Chlortetracycline by Tungstate*
Field of Specialization: Microbiology
- Robert Bush Lackey, B.E.E., M.Sc. Youngstown
*Dissertation: A Class of Adaptive Control Systems with Sinusoidal
Parameter Perturbation*
Field of Specialization: Electrical Engineering
- James Frederick Leetch, B.S. (Grove City College, Pennsylvania); M.A.
Columbus
Dissertation: Functions Whose Values Are Sets in a Vector Space
Field of Specialization: Mathematics
- Duo-Liang Lin, B.Sc. (Taiwan National University); M.Sc. (National Tsing
Hua University) Hsinchu, Taiwan, China
Dissertation: Charge Dependent Effects on Nuclear Forces
Field of Specialization: Physics
- John Anthony Macedonia, B.A. Steubenville
Dissertation: Motif-Index of the Biographies of the Troubadours
Field of Specialization: Romance Languages (French)
- Robert Clair Martig, B.Sc. in Agr., M.Sc. West Willington, Conn.
*Dissertation: The Effect of Added Lipoproteins on the Fertilizing Ca-
pacity of Frozen Bovine Spermatozoa*
Field of Specialization: Dairy Science
- Paul White Mayhew, B.S. in E.E. (University of Kentucky); M.Sc. Dayton
*Dissertation: Measurement of the Effectiveness of Electronic Counter-
measure*
Field of Specialization: Industrial Engineering
- Mary Louise McBee, B.S. (East Tennessee State College); A.M.
(Columbia University) Strawberry Plains, Tenn.
*Dissertation: The Role of the Dean of Women in Selected Institutions
of Higher Learning*
Field of Specialization: Education
- Robert William McCracken, B.A. (Ohio Wesleyan University); M.A.
Groveport
*Dissertation: Determining Appropriate Next Steps in the Develop-
ment of the School Foundation Program in the State of
Ohio*
Field of Specialization: Education
- Richard Herbert McFarland, B.S. (Ohio University); M.Sc. Columbus
*Dissertation: An Airport Glide-Path System Using Flush-mounted,
Traveling-Wave Runway Antennas*
Field of Specialization: Electrical Engineering
- Seigen Miyasato, B.A. (Muskingum College); M.A. (Western Reserve
University) Nakijin, Okinawa
*Dissertation: American Foreign Policy toward South Asian Neutral-
ism, 1947-1957*
Field of Specialization: Political Science
- John Edward Moore, B.Sc. in Agr., M.Sc. Kirkersville
*Dissertation: In Vitro Studies on the Fermentation of Starch by Ru-
men Bacteria*
Field of Specialization: Animal Science
- John Orville Niederhauser, B.S. (Heidelberg College) Columbus
*Dissertation: Criteria for the Establishment of Basic School Admin-
istrative Districts, with Particular Reference to Ohio*
Field of Specialization: Education

- Gertrude Marian Orth, A.B. (New Jersey College for Women); A.M.
(University of Illinois).....Passaic, N. J.
Dissertation: The Isolation and Characterization of Chloroplasts, Plas-
tids, and Detergent Solubilized Extracts
Field of Specialization: Physiological Chemistry
- Stanley Pavey, B.A., M.S. in Ed. (City College, New York)....Bronx, N.Y.
Dissertation: The Effect of Failure on Future Time Perspective in
Open and Closed Belief Systems
Field of Specialization: Psychology
- Raymond Joseph Pohl, B.S. in Chem. (Fordham University)
South Amboy, N. J.
Dissertation: The Chemistry of Benzocyclobutenedione
Field of Specialization: Chemistry
- Monte J. Pool, Met.Engr. (University of Cincinnati); M.Sc....Cincinnati
Dissertation: Activities of Chromium and Titanium in Binary Chrom-
ium-Titanium Alloys
Field of Specialization: Metallurgical Engineering
- Harve Else Rawson, A.B. (Antioch College); M.A.....Webb City, Mo.
Dissertation: The Relationships of Moral Value Dimensions and Un-
ethical Behavior under Varying Conditions of Risk
Field of Specialization: Psychology
- Berna Flanders Richards, A.B. (Baldwin-Wallace College); M.Edu.
Oceanside, Calif.
Dissertation: A Predictive Longitudinal Study of Intellective and
Non-Intellective Factors Affecting School Achievement of
Gifted Children
Field of Specialization: Education
- Earl Leland Riggle, B.Sc. in Edu., M.A.....New Concord
Dissertation: An Analysis of Practices Used to Determine the Effec-
tiveness of Apprentice Teachers in Certain City School
Districts of Ohio
Field of Specialization: Education
- Joseph Marion Ripley, Jr., B.A., M.A.....Great Kills, N.Y.
Dissertation: The Practices and Policies Regarding Broadcasts of
Opinions about Controversial Issues by Radio and Tele-
vision Stations in the United States
Field of Specialization: Speech
- Mattie Ellen Ross, B.S. in Ed. (Central Missouri State College);
M. Ed. (University of Missouri).....Granville
Dissertation: The Relationship of Eye-Hand Coordination Skills and
Visual Perception Skills in Children
Field of Specialization: Physical Education
- Harry Schumer, B.Sc. in Edu., M.A.....Columbus
Dissertation: Cohesion and Leadership in Small Groups as Related to
Group Productivity
Field of Specialization: Psychology
- Jack Semmelman, B.S. in Ed. (University of Dayton); M.A.
(Wittenberg University).....Dayton
Dissertation: Factors Affecting the Stability of Tomato Juice Fortified
with Ascorbic Acid
Field of Specialization: Horticulture
- Donn Gene Shankland, B.S. (University of Washington); M.Sc.
Seattle, Wash.
Dissertation: Gauge Invariance and Spectral Representations in Quan-
tum Electrodynamics
Field of Specialization: Physics

- William Seale Shaw, B.S. in Ed. (Delta State College, Mississippi);
M.A. (University of Alabama).....Holly Springs, Miss.
Dissertation: A Critical Analysis of the Physical Fitness Testing Program as Administered in the Strategic Air Command of the United States Air Force
Field of Specialization: Physical Education
- Reuben Silver, A.B. (Wayne University); M.A. (University of Connecticut).....Storrs, Conn.
Dissertation: A History of the Karamu Theatre of Karamu House, 1915-1960
Field of Specialization: Speech
- Jon Eaton Simpson, B.A. (Ohio Wesleyan University); M.A.....Oberlin
Dissertation: Selected Aspects of Institutionalization as Perceived by the Juvenile Offender
Field of Specialization: Sociology
- Paras Nath Singh, B.A., M.A. (Agra University); M.A.
Jaunpur, U. P., India
Dissertation: A Comparison of Two Scales for Measuring the Morale of Industrial Workers in India
Field of Specialization: Psychology
- William Max Slocum, B.Sc. in Bus.Adm., M.B.A.....Boulder, Colo.
Dissertation: An Investigation into the Need for and the Nature of Supplementary Standards for the General Auditing Standards and the Auditing Standards of Field Work
Field of Specialization: Accounting
- Sister M. Leonita Smith, B.S. (College of Saint Mary of the Springs); M.A.
Columbus
Dissertation: Catholic Viewpoints about the Psychology, Social Role, and Higher Education of Women
Field of Specialization: Home Economics
- Everett Earl Stevenson, B.S. in Edu. (New York State University College of Education, Buffalo); M.Ed. (University of Houston)
Buffalo, N.Y.
Dissertation: A Follow-up Study of the Participants of the Academic Year Institutes Held at The Ohio State University, 1957-1961
Field of Specialization: Education
- Edward White Stroube, B.S. in Agr., M.S. in Agr. (University of Kentucky).....Lexington, Ky.
Dissertation: The Movement and Persistence of Simazine and Atrazine in Soil and Some Related Studies
Field of Specialization: Agronomy
- Margaret Elizabeth Thornbury, B.S. in Ed. (New York State University College of Education, Oneonta); M.Sc.....Arcade, N. Y.
Dissertation: Dietary Fats, Vitamin B₆, and Serum Cholesterol Relationships
Field of Specialization: Home Economics
- John C. Tootle, B.S. in Ed. (Georgia Teachers College); M.A.
(George Peabody College for Teachers).....Glennville, Ga.
Dissertation: Typewriting in the Written Communication Activities of the Fifth Grade
Field of Specialization: Education
- James Earl Tullis, B.S. in Ed. (Miami University); M.Sc.....Greenhills
Dissertation: A Maternally Transmitted "Sex-Ratio" Condition in Aedes aegypti (L.)
Field of Specialization: Zoology
- Willie Turner, B.S. (Maryland State College); M.Sc.....Suffolk, Va.
Dissertation: Further Studies of a Herpes-like Virus from Cases of Cat Scratch Disease
Field of Specialization: Microbiology

- Richard Matthew Watzulik, B.S., M.A. (Western Reserve University)
Cleveland
Dissertation: A History of the Theatre in Hungary to 1900
Field of Specialization: Speech
- Sidney S. Webb, A.B. (San Jose State College); M.B.A. Wichita Falls, Tex.
Dissertation: Current Career Attitudes of Graduates of the Air Force Reserve Officers' Training Corps
Field of Specialization: Business Organization
- Richard Carl Wickman, A.B. (Hanover College); B.D. (McCormick Theological Seminary); M.A. (Bowling Green State University)
Cincinnati
Dissertation: An Evaluation of the Employment of Panoramic Scenery in the Nineteenth-Century Theatre
Field of Specialization: Speech
- Eugene Fred Wolfarth, B.S. (University of Maryland)... Washington, D. C.
Dissertation: Solvent and Deuterium Isotope Effects on the Ortho-Claisen Rearrangement
Field of Specialization: Chemistry
- Edna Plock Wooten, B.Sc. in Edu., M.A..... Columbus
Dissertation: The Comparison of O₂ Uptake of Women While Walking in Various Types of Footwear
Field of Specialization: Physical Education
- Sybil Wuletich, B.S. (Northwestern University); A.M. (University of Chicago)..... Gary, Ind.
Dissertation: Poe: The Rationale of the Uncanny
Field of Specialization: English
- Laszlo Zsoldos, A.B., M.A. (University of Cincinnati)..... Lexington, Ky.
Dissertation: The Economic Integration of Hungary into the Soviet Bloc: Foreign Trade Experience, 1950-1958
Field of Specialization: Economics

(Ninety-four candidates)

Master of Arts

- Robert Agler, B.A. (Otterbein College)..... Columbus
Field of Specialization: Physical Education
- Charles Kissam Allen, B.A..... Pittsburgh, Pa.
Field of Specialization: Psychology
- Irene Hilda Appel, B.S. in Ed. (Capital University)..... Columbus
Field of Specialization: Education
- Gloria de la Paz Avena, B.S.Ed. (University of the Philippines)
Manila, Philippines
Field of Specialization: Physical Education
- Walter John Balster, B.Sc. in Edu..... Celina
Field of Specialization: Education
- Donald Joseph Barnes, B.A. (University of Colorado)
Colorado Springs, Colo.
Field of Specialization: Psychology
- James Franklin Barnes, B.A..... Oberlin
Field of Specialization: Political Science
- Elsworth Lynn Beach, B.A. (Ohio Wesleyan University)..... Piqua
Field of Specialization: Education
- Edgar Charles Bennett, B.A. (Kenyon College)..... Holland Patent, N.Y.
Field of Specialization: Education

- Lucille Berman Berkowitz, B.A.....Columbus
Field of Specialization: Classical Languages (Latin)
- Theodore John Berlin, B.Sc. in Edu.....Bowling Green
Field of Specialization: Education
- Marlene Bergman Bireley, B.S. in Edu. (Bowling Green State University)
Field of Specialization: Education Montpelier
- Marvin Lowell Blanchard, B.M.E. (Northwestern University)Defiance
Field of Specialization: Music
- Doris Marie Blohm, B.S. in Edu. (Wittenberg University)
Field of Specialization: Physical Education Queens Village, N.Y.
- Carley Rees Bogarad, A.B. (West Virginia University) ..Follansbee, W. Va.
Field of Specialization: German
- Violet Florence Boggess, B.S. in Educ. (Kent State University) ...Atwater
Field of Specialization: Education
- Samuel Wayne Borst, B.Sc. in Edu.....Bainbridge
Field of Specialization: Education
- Richard William Bowers, B.Sc. in Edu.....Columbus
Field of Specialization: Physical Education
- Robert James Brennan, B.S. (New York State University College of
Education, Buffalo).....Lackawanna, N. Y.
Field of Specialization: Education
- Albert Lynn Briggs, B.Sc. in Edu.....Lancaster
Field of Specialization: Education
- June Townsend Brown, B.A.....Newark
Field of Specialization: Psychology
- A. Chester Burns, B.S. in M.E. (Ohio Northern University)
Field of Specialization: Education Jamestown, N.Y.
- Richard Lee Burrer, B.A. (State College of Washington)Columbus
Field of Specialization: Education
- David Norman Camaione, B.Sc. in Edu.....Watertown, N.Y.
Field of Specialization: Physical Education
- Ann Katherine Carr Carter, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Gail Rochelle Cassen, B.S. in Ed. (Indiana University) ..New Augusta, Ind
Field of Specialization: Physical Education
- Roger Lewis Chaney, B.Sc. in Bus.Adm., B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Marian Frances Chase, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Carl Chris Christensen, B.A. (State University of Iowa)Iowa City, Ia.
Field of Specialization: History
- Ronald Allen Clark, B.S. in Ed. (Bowling Green State University)
Field of Specialization: Education Grove City
- John Paul Cobes, B.Sc. in Edu.....Strasburg
Field of Specialization: Speech

- James Donald Cook, A.B. (Denison University) Ashville
Field of Specialization: Education
- James Francis Cooney, A.B. (College of Saint Charles Borromeo) Columbus
Field of Specialization: English
- David Miller Cooper III, B.A., B.Sc. in Edu. Columbus
Field of Specialization: Education
- Thomas Jefferson Cooper, B.S. (Bishop College, Texas) Wichita Falls, Tex.
Field of Specialization: Education
- James Daniel Cosgrove, A.B. (University of Dayton) Dayton
Field of Specialization: English
- Elizabeth Marie Cott, B.Sc. in Edu. Columbus
Field of Specialization: Home Economics (Education)
- Jeannette Goff Curren, B.Sc. in Edu. Sunbury
Field of Specialization: Education
- Edith Pearl Daniels, B.S. in Edu. (Florida Agricultural and
 Mechanical University) Cross City, Fla.
Field of Specialization: Physical Education
- Sallye Mae Daniels, B.S. (Florida Agricultural and Mechanical
 University) Jacksonville, Fla.
Field of Specialization: Physical Education
- Lydia Ann Davidson, B.A. (University of Arkansas) Columbus
Field of Specialization: Speech
- Billie Thelma Davis, A.B. (Vassar College) Atlanta, Ga.
Field of Specialization: English
- Louis Charles DeBrosse, B.S. in Edu. (University of Dayton) ... Delaware
Field of Specialization: Education
- Venancia de Vera de Guzman, B.S. in Ed. (University of the Philippines)
 Binmaley, Pangasinan, Philippines
Field of Specialization: Education
- Rachel Ellen Dennison, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Daniel Lee Dindal, B.Sc. in Agr., B.Sc. in Edu. Findlay
Field of Specialization: Education
- Joyce Lyon Dinsel, B.Sc. in Edu. Pittsburgh, Pa.
Field of Specialization: Education
- Lafayette Dodds II, B.A., B.Sc. in Edu. Columbus
Field of Specialization: Education
- James Eliopoulos, B.Sc. in Edu. Byesville
Field of Specialization: Education
- Howard John Elwell, B.A. (Gannon College, Pennsylvania) Newark
Field of Specialization: Education
- Doris Louise Engelhard, B.Sc. in Edu., B.Mus. Bellbrook
Field of Specialization: Music
- Joan Marie Ensign, B.S. in Edu. (Otterbein College) McComb
Field of Specialization: Education
- Franz Ryan Epting, B.A. (Millsaps College) Forest, Miss.
Field of Specialization: Psychology
- Doris Bondley Evans, B.A. (Ohio Wesleyan University) Delaware
Field of Specialization: Classical Languages (Latin)

- Marjorie Rapp Fant, A.B. (Denison University).....Newark
Field of Specialization: Education
- Grady Cromwell Feaster, B.A.....Urbancrest
Field of Specialization: Education
- Joyce Ann Fitch, B.S. (Central Michigan University).....Flushing, Mich.
Field of Specialization: Speech
- Francis Earl Frazier, B.S. in Ed. (Ball State Teachers College)
 New Castle, Ind.
Field of Specialization: Education
- Dale Eugene Fry, B.S. (Pennsylvania State Teachers College,
 West Chester).....Sharon Hill, Pa.
Field of Specialization: Education
- Parilee Bernadine Fry, B.S. in Edu. (Ohio University).....Ashley
Field of Specialization: Education
- Robert Dean Garrison, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Paul Henry Gatsch, B.S. in Edu. (Miami University).....Columbus
Field of Specialization: Education
- George Sotiris Georgas, B.Sc. in Edu.....Yorkville
Field of Specialization: Education
- Bonnie Cherp Gilliom, A.B. (Heidelberg College).....Worthington
Field of Specialization: Education
- James Alan Goldman, A.B. (Brandeis University).....Shaker Heights
Field of Specialization: English
- John Charles Golish, B.A. (Southern Illinois University)
 West Frankfort, Ill.
Field of Specialization: Education
- Richard Edwin Green, B.Sc. in Edu.....Delaware
Field of Specialization: Education
- Charles James Grothaus, B.S. (Findlay College).....Findlay
Field of Specialization: Education
- William Joseph Guerrero, A.B. (Oberlin College).....Delmar, N. Y.
Field of Specialization: Physical Education
- Elizabeth Gurney, B.S. in Ed. (Massachusetts State Teachers College,
 Bridgewater).....Columbus
Field of Specialization: Education
- William David Hagans, B.A.....Columbus
Field of Specialization: Speech
- Lewis Franklin Hanes, B.Sc. in Agr.....Wakeman
Field of Specialization: Psychology
- Harold Chalmer Hanlin, B.S. in Edu. (Wilmington College).....Xenia
Field of Specialization: Education
- Alice Hadley Hawley, B.S.H.E. (Purdue University).....Lafayette, Ind.
Field of Specialization: Home Economics (Education)
- Evelyn Booth Hodory, B.S. in Edu. (Youngstown College).....Youngstown
Field of Specialization: Physical Education (Health Education)
- Evelyn Yvonne Honor, B.S. (Hampton Institute).....Chester, S. C.
Field of Specialization: Speech

- Darlene Neely Householder, A.B. (Asbury College) Nashville, Tenn.
Field of Specialization: Education
- Harold John Howard, B.S. (Pennsylvania State University) Hebron
Field of Specialization: Physical Education
- Ruby Ann Howell, B.S. (Mississippi Southern College) . . Hattiesburg, Miss.
Field of Specialization: Speech
- John Richard Huff, B.S.M. (Capital University) Bedford
Field of Specialization: Music
- Jerald Francis Hunt, B.S. Edu. (Ohio University) Zanesville
Field of Specialization: Education
- Lynda Kathleen Hyde, B.A. (Ottawa University) Wichita, Kan.
Field of Specialization: Psychology
- Clifford Rodney James, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Roger William Jamison, B.Sc. in Edu. Marion
Field of Specialization: Music
- Vincent James Jeffery, B.A. (Ohio Northern University) ; S.T.B.
 (Boston University) Toledo
Field of Specialization: Psychology
- Donald H. Jerry, B.A. (Muskingum College) New London
Field of Specialization: Education
- Allene Johnson, B.S. (North Carolina College at Durham) . . Supply, N. C.
Field of Specialization: Education
- Barbara Ann Ashton Jones, B.A. (West Liberty State College) Shadyside
Field of Specialization: Education
- Dolly Marie Jones, A.B. (Marshall College) Columbus
Field of Specialization: Education
- Richard Louis Judd, B.S. (Teachers College of Connecticut, New Britain)
 Fairfield, Conn.
Field of Specialization: Psychology
- Suad Sirop Kanderian Mosul, Iraq
Field of Specialization: Psychology
- Wayne Sanford Kaufman, B.Sc. in Edu. Gahanna
Field of Specialization: Physical Education
- James Edward Keiser, B.A., B.Sc. in Edu. Columbus
Field of Specialization: Speech
- Chung Soon Kim, B.A. (Dan-Kook College) Seoul, Korea
Field of Specialization: Education
- Charles William Kline, B.F.A. (Ohio University) Wooster
Field of Specialization: Speech
- Mabel Bidlingmeyer Kress, A.B. (University of Cincinnati) Columbus
Field of Specialization: Political Science
- James O. Kumfer, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Bette Emeline Landman, B.S. in Ed. (Bowling Green State University)
 Columbus
Field of Specialization: Sociology and Anthropology
- Calvin Arthur Lathan, B.S. in Ed. (New York State Teachers
 College, Brockport) LeRoy, N. Y.
Field of Specialization: Education

- Paul Prasse Lawrence, B.Mus.Ed. (Baldwin-Wallace College) Port Clinton
Field of Specialization: Music
- Nancy Bergren Liber, B.S. (Purdue University).....Columbus
Field of Specialization: Education
- Robert Alvin Benis Lutz, A.B. (Asbury College).....Ashville
Field of Specialization: Education
- Virginia Cox MacIvor, A.B. (Duke University).....Marysville
Field of Specialization: English
- Claire Margaret Mackensen, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Sandra Manburg, B.A.....Cleveland Heights
Field of Specialization: Speech
- Jerome Herbert Mandel, A.B. (Oberlin College).....University Heights
Field of Specialization: English
- James Edward Marcia, A.B. (Wittenberg University).....Columbus
Field of Specialization: Psychology
- Peter Howard Martorella, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Helen Brown McCain, A.B., B.S. in Edu. (Wilmington College)...Waverly
Field of Specialization: Education
- Joe Wesley McDaniel, B.A. (Muskingum College).....New Concord
Field of Specialization: Physical Education
- Kenneth Swan McElroy, B.F.A.....Columbus
Field of Specialization: Fine Arts
- Harry Richard Meek, B.A. (Muskingum College).....Coshocton
Field of Specialization: Education
- Charles Henry Meyers, Jr., B.S. in Edu. (Capital University)...Columbus
Field of Specialization: Education
- Verma Mae Mills, B.S. in Edu. (Capital University).....Columbus
Field of Specialization: Education
- Mary Armstrong Montei, B.Sc. in H.E.....Columbus
Field of Specialization: Home Economics (Education)
- Dwight Robert Mumper, B.Mus.....Urbana
Field of Specialization: Music
- John Edward Noecker, B.Sc. in Agr.....Waynesville
Field of Specialization: Education
- Bruce Edgar Northrup, B.A. (Amherst College).....Marietta
Field of Specialization: Psychology
- Carmella Elizabeth Nuccio, B.B.A. (Fenn College).....Mayfield Heights
Field of Specialization: Education
- Joseph Everett Odom, B.S. (Grambling College of Louisiana)
Shreveport, La.
Field of Specialization: Education
- Charles Kofi Oppong-Wiredu, B.A. (Hons.) (University College
of Ghana).....Kumasi, Ghana, Africa
Field of Specialization: Education
- Mary Louise Owen, B.A. (Bridgewater College).....Bridgewater, Va.
Field of Specialization: Physical Education

- Ruth Winegar Pausch, B.S. in Edu. (Wilmington College).....Leesburg
Field of Specialization: Education
- Helen Belt Pollock, B.S. in Nursing (University of Cincinnati) Chillicothe
Field of Specialization: Education
- Jean Kay Ralston, B.A. (College of Wooster)Cleveland
Field of Specialization: Education
- James Roderick Rice, B.S. in Ed. (Bowling Green State University) Marion
Field of Specialization: Education
- Elizabeth Todhunter Riley, B.Sc. in H.E.....Newark
Field of Specialization: Home Economics (Education)
- John Raymond Rizzo, B.A. (University of Colorado) ..Valley Stream, N. Y.
Field of Specialization: Psychology
- Ralph Herbert Romig, B.S.Edu. (Ohio University)Tuscarawas
Field of Specialization: Education
- Clifton Gene Rose, B.S. in Ed. (Bowling Green State University) Wapakoneta
Field of Specialization: Physical Education
- Herbert Kirk Russell, B.Sc. in Edu.....Grove City
Field of Specialization: Physical Education
- Tabea Lena Ryll, B.S. in Edu. (Concordia College, Minnesota)Lorain
Field of Specialization: Physical Education
- Beverly Joyce Schecter, B.S. (University of Wisconsin)Columbus
Field of Specialization: Speech
- Thomas Michael Schudel, B.Sc. in Edu.....Defiance
Field of Specialization: Music
- Donald Sexton, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Walter Maynard Sharp, Jr., A.B. (Marshall College)Columbus
Field of Specialization: Education
- Paul Alexander Shoemaker, B.S.Edu. (Ohio University)Bourneville
Field of Specialization: Education
- Jean Evelyn Shultz, B.A. (Ohio Wesleyan University)Mohawk, N. Y.
Field of Specialization: Music
- Paul Everett Shumaker, B.S. in Edu. (Defiance College)Columbus
Field of Specialization: Education
- Kathleen Woodward Siggers, A.B. (George Washington University) Granville
Field of Specialization: Education
- Radha Sinha, B.A., M.A. (Patna University)Behar, India
Field of Specialization: Education
- Howard Jay Slenk, A.B. (Calvin College)Holland, Mich.
Field of Specialization: Music
- John Graham Smith, B.A. (Hons.) (Nottingham University) Bournemouth, England
Field of Specialization: Economics
- Shirley Miller Smith, B.Sc. in H.E.....Bryan
Field of Specialization: Education

- Donna Louise Sniff, B.Mus.Ed. (Otterbein College)Columbus
Field of Specialization: Music
- Vasil Sokol, Jr., B.A. (Muskingum College)Cambridge
Field of Specialization: Education
- Alice Kolberg Sorenson, B.A., (Jamestown College, North Dakota)Columbus
Field of Specialization: Psychology
- Martha Moon Spiegel, A.B. (University of Michigan)Bucyrus
Field of Specialization: Education
- Merritt Raymond Stevenson, B.Sc. in Edu.Lakewood
Field of Specialization: Education
- Eugene Harold Stocksdales, B.S. (Manchester College, Indiana) ..Rossburg
Field of Specialization: Education
- Texa Sloan Stratton, A.B. (Marshall College)Columbus
Field of Specialization: Education
- Mary Anne Surginer, B.S. (Indiana State Teachers College)Columbus
Field of Specialization: Education
- Frank Wilson Truitt, Jr., B.A., B.S. in Ed. (Otterbein College) ..Columbus
Field of Specialization: Physical Education
- William Everett Trutner, B.A. (Ohio Wesleyan University)Leesburg
Field of Specialization: Education
- Frederick William Turner III, A.B. (Denison University)Port Clinton
Field of Specialization: English
- Claire Ann Van Deusen, B.A. (Pennsylvania State University) Chester, Pa.
Field of Specialization: Sociology
- Steve Ernest Vasiliou, B.F.A.Wheeling, W. Va.
Field of Specialization: Fine Arts
- Karl H. Walker, B.S. (Cornell University)Marengo
Field of Specialization: Education
- Robert Leslie Wanek, B.S. (Wisconsin State College, Superior)Rice Lake, Wis.
Field of Specialization: Education
- Jesse William West, B.S. in Edu. (Ashland College)Mt. Gilead
Field of Specialization: Education
- Jewell Canady Whatley, B.S. (Agricultural, Mechanical and Normal College)Pine Bluff, Ark.
Field of Specialization: Education
- Michael Robert Willson, B.Sc. in Edu.Worthington
Field of Specialization: Physical Education
- George Edgar Wilson, B.Sc. in Edu.Gallipolis
Field of Specialization: Education
- Daniel Anson Wingett, B.Sc. in Edu.Amanda
Field of Specialization: Education
- Robert Franklin Workman, B.S. in Edu. (Otterbein College) ...Lucasville
Field of Specialization: English
- Donald George Wynkoop, B.S. in Edu. (Capital University)Columbus
Field of Specialization: History

- Robinson N. Ylagan, B.S.E., B.S.C. (University of Santo Tomas)
Quezon City, Philippines
Field of Specialization: Education
- Maurice Milton Young, B.S. (Michigan State University)Green Camp
Field of Specialization: Education
- Eva Sweet Zauderer, B.Sc. in Edu.....Toledo
Field of Specialization: Education
- Kenneth Eugene Zimmerman, B.A. (Otterbein College)Columbus
Field of Specialization: Music
- (One hundred and seventy candidates)

Master of Business Administration

- George Washington Baughman III, B.Sc.....Pittsburgh, Pa.
Field of Specialization: Business Organization
- Herman Randolph Bobbitt, Jr., B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Business Organization
- Victoria Cohen Clarke, A.B. (University of Georgia)Fairborn
Field of Specialization: Business Organization
- Joseph Frank Frost, B.B.A. (University of Cincinnati)Warren
Field of Specialization: Business Organization
- Charles Nelson Greene, B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Business Organization
- Edward Marion Jonas, B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Business Organization
- James Gordon Krafft, B.Sc. in Bus. Adm.....Columbus
Field of Specialization: Accounting
- Wallace Lennox, Jr., B.S. (The Citadel)Rutherford, N. J.
Field of Specialization: Business Organization
- Robert Wayne Nixon, B.Sc. in Bus.Adm.....Canton
Field of Specialization: Business Organization
- Don Seehafer, B.S. in A.E. (University of Washington) ..Yellow Springs
Field of Specialization: Business Organization
- Ivan Campbell Smith, Jr., B.S. (Ohio University)Youngstown
Field of Specialization: Business Organization
- Keith Van Smith, B.Sc. in Phys.....Bryan
Field of Specialization: Business Organization
- Karl Franklin Stevenson, B.M.E. (University of Akron)Tallmadge
Field of Specialization: Business Organization
- Daniel Berkeley Willard Stoner, B.Sc. in Bus.Adm.....Massillon
Field of Specialization: Business Organization
- (Fourteen candidates)

Master of City Planning

- Jack Stanley Cunning, B.A. (Youngstown College)Sharon, Pa.
Field of Specialization: Architecture (City Planning)
- David Allen Seyler, B.Sc. in Edu.....Dayton
Field of Specialization: Architecture (City Planning)
- (Two candidates)

Master of Education

Wilbur Benson Albers, B.Sc. in Edu.....	Cleveland
<i>Field of Specialization: Education</i>	
James Edward Boster, B.S. in Edu. (Capital University)	Columbus
<i>Field of Specialization: Education</i>	
Flossie Baltz Cornell, B.S. in Edu. (Capital University)	Gahanna
<i>Field of Specialization: Education</i>	
Donald D. Decatur, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	
William Howard Hagans, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	
Robert Eugene Kreisel, B.A., B.Sc. in Edu.....	Upper Sandusky
<i>Field of Specialization: Education</i>	
Russell D. Oxender, B.Sc. in Edu.....	Bloomdale
<i>Field of Specialization: Education</i>	
Mary Elizabeth Patton, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	
Lorraine Brown Peery, B.S. (Bluefield State College)	Columbus
<i>Field of Specialization: Education</i>	
Daya Ananda Perera, B.Sc. (Hons.) (University of Ceylon)	Battaramulla, Ceylon
<i>Field of Specialization: Education</i>	
Carolyn Sue Ball Phelps, A.B. in Ed. (University of Kentucky) London, Ky.	
<i>Field of Specialization: Education</i>	
Ralph Earl Readout, B.S.Ed. (Ohio University)	Columbus
<i>Field of Specialization: Education</i>	
Willis Otto Serr, B.S. (Capital University)	Columbus
<i>Field of Specialization: Education</i>	
Bert Severance, Jr., B.S.C. (Ohio University)	Millersport
<i>Field of Specialization: Education</i>	
Stanley Henry Dias Sumanasekera, B.S. (Agr.) (University of Ceylon)	Ratmalalane, Ceylon
<i>Field of Specialization: Education</i>	
Jack Edward Williams, B.S. in Ed. (Ohio Northern University)	Lima
<i>Field of Specialization: Education</i>	
Walden Mac Wren, B.C.E., B.Sc. in Edu.....	Worthington
<i>Field of Specialization: Education</i>	
(Seventeen candidates)	

Master of Medical Science

Clyde William Conger, B.Sc., M.D.....	Delaware
<i>Field of Specialization: Surgery</i>	
Kishan Das Khurana, M.B., B.S. (University of Calcutta) ..	Calcutta, India
<i>Field of Specialization: Medicine</i>	

Walter Alexander Murray, Jr., A.B. (Columbia College, South Carolina) ;
M.D. (Cornell University)Columbus
Field of Specialization: Pediatrics

Marvin Howard Spiegel, B.S., M.D. (University of Cincinnati) ..Cincinnati
Field of Specialization: Medicine

Dorrence Coney Talbut, B.S. (University of Toledo); M.D.....Whitehouse
Field of Specialization: Pediatrics

Donald Eugene Wagner, B.Sc., M.D.....Columbus
Field of Specialization: Surgery
(Six candidates)

Master of Science

David Lee Alexander, A.B. (Oberlin College); B.M.E.....Wooster
Field of Specialization: Mechanical Engineering

David Glen Anderson, B.M.E. (General Motors Institute) ..Wayland, Mich.
Field of Specialization: Welding Engineering

James Nelson Anno, Jr., B.Sc.....Urbana
Field of Specialization: Physics

Manmohan Singh Atwal, B.Sc., M.Sc. (Panjab University) ..Punjab, India
Field of Specialization: Chemistry

James Everett Battles, B.S. in Met.E. (University of Alabama)
Galena Park, Tex.
Field of Specialization: Metallurgical Engineering

Lois Irene Bear, B.S. in Ed. (Bowling Green State University)Toledo
Field of Specialization: Zoology

Philip Charles Benedict, Jr., B.E.E.....Columbus
Field of Specialization: Electrical Engineering

Glenn Irwin Berger, B.Sc. in Agr.....Hamilton
Field of Specialization: Agricultural Economics and Rural Sociology

Thomas Harold Bishop, B.S. in Met.E. (Case Institute of Technology)
Conneaut
Field of Specialization: Metallurgical Engineering

Mary Ann Schwartz Bly, B.S.N. (Catholic University of America)
Columbus
Field of Specialization: Nursing

Gerald Miles Bowers, B.S., D.D.S. (University of Michigan) Bethesda, Md.
Field of Specialization: Dentistry

John Andrew Burke, Jr., B.S. (Texas Technological College) ...Paris, Tex.
Field of Specialization: Chemistry

Homer Ovid Burt, Jr., B.Sc. in Agr.....Lancaster
Field of Specialization: Agricultural Education

Henry Clay Butcher IV, B.S. (Tufts College).....West Newton, Mass.
Field of Specialization: Botany and Plant Pathology

William Charles Butterman, B.Sc.....Columbus
Field of Specialization: Geology

Angel Manuel Cabrera, B.S. (University of Puerto Rico)
Santurce, Puerto Rico
Field of Specialization: Pathology

- Robert Neff Campbell, B.Sc. in Agr.....New Carlisle
Field of Specialization: Agricultural Education
- Chjin Chung, B.S. (Taipei Institute of Technology) ..Taipei, Taiwan, China
Field of Specialization: Electrical Engineering
- Martha Jane Roettgers Churchill, B.S. (University of Kentucky) Columbus
Field of Specialization: Chemistry
- Alan Brian Clafin, B.S. (United States Military Academy)Columbus
Field of Specialization: Physics
- Nancy Burroughs Conklyn, B.S.H.E. (West Virginia University)Tiffin
Field of Specialization: Home Economics
- Arnold L. Cooper, B.M.E. (City College, New York)Columbus
Field of Specialization: Mechanical Engineering
- Gilbert Clayton Daft, A.B. (Marietta College)Baltimore
Field of Specialization: Botany and Plant Pathology
- Gilbert Pharee Dempsey, B.S. in Agr. (University of Kentucky)
Henderson, Ky.
Field of Specialization: Poultry Science
- Alfonso Enrique Diaz-Garzon, Ing. (National University of Colombia)
Bogota, Colombia
Field of Specialization: Geodetic Science
- Carol Jean Didelius, B.Sc. in Nurs.....Sandusky
Field of Specialization: Nursing
- Robert Russell Dockum, B.Sc. in Agr.....Hamilton
Field of Specialization: Agricultural Economics and Rural Sociology
- Rodrigo Donoso, Chem. Ing. (Federico Santa Maria Technical
University)Santiago, Chile
Field of Specialization: Chemical Engineering
- Bertrand Howard Dunegan, B.A., M.A. (Saint Vincent College,
Pennsylvania)Latrobe, Pa.
Field of Specialization: Zoology
- Milan Gradon Dunham, B.Sc. in Agr.....Napoleon
Field of Specialization: Agricultural Education
- James Henry Edge, B.Sc.....Piqua
Field of Specialization: Pathology
- El Saied El Ahmady El Shishtawy, B.Sc. (Cairo University) ..Cairo, Egypt
Field of Specialization: Agricultural Economics and Rural Sociology
- Harry William Emrick, B.S. (United States Military Academy) Largo, Fla.
Field of Specialization: Geodetic Science
- Anna Elizabeth Everett, B.S. in Nurs. (Incarnate Word College,
Texas)Danville, Pa.
Field of Specialization: Nursing
- Vincent Joseph Feck, B.Sc. in Agr.....Oberlin
Field of Specialization: Agricultural Education
- William Robert Findley, B.S. (Denison University)Toledo
Field of Specialization: Chemistry
- William Loren Flinn, B.Sc. in Agr.....Houston
Field of Specialization: Agricultural Economics and Rural Sociology
- John Richard Allan Garnham, B.S. (Purdue University) ..Rochester, N. Y.
Field of Specialization: Mathematics

- Mohamed Wafik Abdel-Latif Goudah, B. Pharm. (Alexandria University)
Alexandria, Egypt
Field of Specialization: Pharmacy
- Ronald Dane Graft, B.S. (Ohio University)Hebron
Field of Specialization: Physics
- Thomas Leo Gruber, B.E.E. (University of Detroit)Cuyahoga Falls
Field of Specialization: Electrical Engineering
- Ronald David Harris, B.Ch.E.Columbus
Field of Specialization: Chemical Engineering
- Craig Sheridan Hartley, B.Met.E. (Rensselaer Polytechnic Institute)
Dayton
Field of Specialization: Metallurgical Engineering
- Roger Lewis Heintz, B.S.Ed. (Ohio Northern University) Jackson Center
Field of Specialization: Agricultural Biochemistry
- Alan George Herriman, B.S.E.E. (Ohio Northern University) ..Pemberville
Field of Specialization: Electrical Engineering
- Mary Catherine Hickey, B.Sc.N. (Saint John College)Cleveland
Field of Specialization: Nursing
- William Henry Hill, B.S. in C.E. (State College of Washington) ...Dayton
Field of Specialization: Welding Engineering
- Marcel Hundziak, M.D. (Johann Wolfgang Goethe University) ..Columbus
Field of Specialization: Psychiatry
- Marie Jeanne Hurst, B.A. (West Liberty State College)Cincinnati
Field of Specialization: Home Economics
- Henry Thomas Jagers, B.S. in E.E. (University of Kentucky) ..Cincinnati
Field of Specialization: Electrical Engineering
- Rani Jagtiani, B.Sc. (Bombay University) ; M.B.B.S. (Patna University)
Bombay, India
Field of Specialization: Psychiatry
- Wilbur Gene James, B.S.E.E. (Purdue University)Dayton
Field of Specialization: Electrical Engineering
- Russell James Jirberg, B.S. (Case Institute of Technology)Cleveland
Field of Specialization: Physics
- Christopher Jayadas Kalangi, B.Sc. (University of Allahabad)
Warangal, India
Field of Specialization: Agricultural Education
- Susumu KawamuraKobe, Japan
Field of Specialization: Civil Engineering
- Robert Faris Keefer, B.S. (Cornell University)Bellaire
Field of Specialization: Agronomy
- Aftab Ahmad Khan, B.Sc. (Engr.) (University of the Punjab)
Peshawar, Pakistan
Field of Specialization: Electrical Engineering
- Hyun Chang Kim, B.Sc. (Seoul National University)Seoul, Korea
Field of Specialization: Physics
- Charles Edward Kress, B.Sc. in E.E. (University of Nebraska)
Rapid City, S. Dak.
Field of Specialization: Electrical Engineering

- Leon John Lysher, B.S. (Saint John's University, Minnesota)
Dahlgren, Va.
Field of Specialization: Electrical Engineering
- Kharak Singh Mann, B.Sc. (Amritsar College); M.Sc. in Ag.
(Punjab University).....Ludhiana, Punjab, India
Field of Specialization: Agricultural Economics and Rural Sociology
- Alan John Markworth, B.S. (Case Institute of Technology).....Cleveland
Field of Specialization: Physics
- Lyle Lee Marsh, Jr., B.S. in Metal.Eng. (Case Institute of Technology)
Columbus
Field of Specialization: Metallurgical Engineering
- Rajendra Prasad Mathur, B.V.Sc. and A.H. (Agra University)
Allahabad, India
Field of Specialization: Veterinary Parasitology
- Jon Richard May, B.S. (Phar.) (Temple University).....Bainbridge, Pa.
Field of Specialization: Pharmacy
- William John McCaughey, B.A., M.V.B. (Dublin University)
Broughshane, County Antrim, Ireland
Field of Specialization: Dairy Science
- Henry Keith Miller, B.S. in Edu. (Capital University).....Columbus
Field of Specialization: Zoology and Entomology
- Herbert Lee Miller, B.S. (Michigan State University)...Williamston, Mich.
Field of Specialization: Dairy Technology
- Barbara Raidt Moe, B.S. in Nurs. (University of Cincinnati).....Columbus
Field of Specialization: Nursing
- William Hunter Moore, B.S.Agr., M.Ed. (University of Georgia)
Mount Berry, Ga.
Field of Specialization: Horticulture
- Mari Iona Rosser Morgan, B.Sc.Hort. (University of London)
Llanely, Carmarthen, Wales
Field of Specialization: Horticulture
- James William O'Leary, B.Sc. in Agr.....Painesville
Field of Specialization: Botany and Plant Pathology
- Roger Truxton Osborn, A.B., B.S. (Columbia University).....Bronx, N. Y.
Field of Specialization: Geodetic Science
- James Eugene Palmer, B.S. in M.E. (University of Oklahoma).Tulsa, Okla.
Field of Specialization: Mechanical Engineering
- Jeanne Steele Peccianti, B.S. (University of California, Berkeley)
Nitro, W. Va.
Field of Specialization: Nursing
- Bonnie Jean Peters, B.Sc. in Nurs.....Akron
Field of Specialization: Nursing
- William Lee Phillis, B.Sc. in Agr.....Salem
Field of Specialization: Agricultural Education
- Nguyen Xuan Phuong, Civ.Eng. (College of Public Works)
Saigon, Viet-Nam
Field of Specialization: Civil Engineering
- Donald John Pinkava, B.Sc. in Edu.....Chagrin Falls
Field of Specialization: Botany and Plant Pathology

- Paul Polishuk, S.B. (Massachusetts Institute of Technology) .. Boston, Mass.
Field of Specialization: Physics
- Gene Edward Pollock, B.Sc. in Agr..... West Lafayette
Field of Specialization: Agricultural Economics and Rural Sociology
- Ariel Mae Prugh, B.S. in H.E. (Pennsylvania State Teachers College,
Mansfield) Tioga, Pa.
Field of Specialization: Home Economics
- Vijay Krishnalal Randery, B.S.E. (M.E.), M.S.E. (University of
Michigan) Bombay, India
Field of Specialization: Electrical Engineering
- Bernard John Rice, B.S. in E.E. (Saint Louis University) Belleville, Ill.
Field of Specialization: Mathematics
- Julio Cesar Rios, B.Sc. Mayaguez, Puerto Rico
Field of Specialization: Geodetic Science
- Richard Harry Salzer, B.Sc. Cincinnati
Field of Specialization: Microbiology
- Wade Allan Schulte, B.Sc. in Agr..... Woodville
Field of Specialization: Horticulture
- Lois Ruth Seidler, B.S. (Drexel Institute of Technology) .. Philadelphia, Pa.
Field of Specialization: Home Economics
- Carl Thomas Settlemire, B.Sc. in Agr..... Lima
Field of Specialization: Dairy Science
- Richard Blaine Shields, B.Sc. in Phys..... Delaware
Field of Specialization: Physics
- Edwin Kurish Shlemon, B.Eng. (College of Engineering, Baghdad)
Baghdad, Iraq
Field of Specialization: Civil Engineering
- M. Lal Sindwani, B.A. (Punjab University) New Delhi, India
Field of Specialization: Home Economics
- Dalbir Singh, B.Sc., M.Sc. (Panjab University) Ludhiana, Punjab, India
Field of Specialization: Poultry Science
- Raghubir Singh, B.Sc. in Ag. (East Punjab University)
Ludhiana, Punjab, India
Field of Specialization: Agricultural Economics and Rural Sociology
- Anthony Arthur Sinkula, B.S. (University of Wisconsin)
Armstrong Creek, Wis.
Field of Specialization: Pharmacy
- Philip Cameron Smith, B.Sc. in Agr..... New Lebanon
Field of Specialization: Agricultural Economics and Rural Sociology
- Clarence Wayne Snyder, B.Sc. in Agr..... Logan
Field of Specialization: Agricultural Education
- Sobhi Ahmed Soliman, B.Pharm. (University of Alexandria)
Alexandria, Egypt
Field of Specialization: Pharmacy
- Dale Richard Starr, B.A. (Harding College, Arkansas) Quaker City
Field of Specialization: Anatomy
- Bruce Harvey Strickling, B.Sc. in Agr..... Frankfort
Field of Specialization: Agricultural Education
- Edward Steven Szekeres, B.W.E. Cleveland
Field of Specialization: Welding Engineering

- John Paul Tarlano, B.S. (University of Dayton) Dayton
Field of Specialization: Physics
- Andrew Charles Terranova, B.Sc. in Agr. South Euclid
Field of Specialization: Zoology and Entomology
- Sandra Louise Thie, B.S. in H.E. (University of Cincinnati) Cincinnati
Field of Specialization: Home Economics
- Wen Hui Ting, B.Eng. (University of Malaya) Lampur, Malaya
Field of Specialization: Civil Engineering
- Kenneth Eugen Trump, B.Sc. in Agr. Alger
Field of Specialization: Agricultural Education
- Jesse Robert Upperco, B.A. (Ohio Wesleyan University) Worthington
Field of Specialization: Geology
- Roger Charles Van Buskirk, B.S. in E.E. (Carnegie Institute of
Technology) Worthington
Field of Specialization: Industrial Engineering
- Shaitan Singh Verma, B.Sc. (University of Rajputana) ; M.Sc.
(Agra University) Udaipur, India
Field of Specialization: Horticulture
- Veril Van Volk, B.Sc. in Agr. Worthington
Field of Specialization: Agronomy
- Pahlaj Mangharam Wadhwani, B.E. (Birla Engineering College)
Bombay, India
Field of Specialization: Industrial Engineering
- Margaret Jean Watt, B.H.Sc. (University of Otago)
Dunedin, New Zealand
Field of Specialization: Home Economics
- Wilbur Roy Weir, B.Sc. in Agr. Lodi
Field of Specialization: Agricultural Education
- Carroll Joseph Wentker, B.S. (University of Dayton) Cleveland
Field of Specialization: Entomology
- Richard Alan White, Met.Engr. (University of Cincinnati) Cincinnati
Field of Specialization: Metallurgical Engineering
- Carl Seymour Winkelblech, B.S. (Pennsylvania State University)
Ithaca, N. Y.
Field of Specialization: Agricultural Engineering
- Judith Wynne Winston, B.S. (University of Wisconsin) Lockport, Ill.
Field of Specialization: Home Economics
- Douglas Arthur Wolfe, B.Sc. Chillicothe
Field of Specialization: Physiological Chemistry
- Harold Richard Wood, B.S. (Denison University) Pickerington
Field of Specialization: Physics
- Bonadine Runyan Woods, B.Sc. in H.E. South Vienna
Field of Specialization: Home Economics
- Virginia Dare Yeatts, B.S.Edu. (Radford College, Virginia)
Meadows of Dan, Va.
Field of Specialization: Zoology
- Peter Kin-Liang Yin, B.S. (Virginia Polytechnic Institute)
Taipei, Taiwan, China
Field of Specialization: Physics

Johanna Eleanore Yurko, B.S. (Mercy College) .Grosse Pointe Woods, Mich.
Field of Specialization: Microbiology

Ronald Joseph Zabransky, B.S. (Rutgers University) West Englewood, N. J.
Field of Specialization: Microbiology

William Anthony Zilka, B.S. (Lebanon Valley College)Lebanon, Pa.
Field of Specialization: Zoology

(One hundred and twenty-five candidates)

Master of Social Work

Lula Holliday Dickinson, B.Sc. in Soc.Adm.Columbus
Field of Specialization: Social Work

James Edward Garrett, A.B. (University of Cincinnati)Worthington
Field of Specialization: Social Work

Vera Levette Timm, A.B. (Mercer University)Dayton
Field of Specialization: Social Work

(Three candidates)

CANDIDATE FOR TWO DEGREES

Ann Elizabeth EdmondsonColumbus
 Bachelor of Arts (cum laude)
 Bachelor of Science in Education (cum laude)

(One candidate)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agriculture

Jon Russell Bailey.....	Akron
Paul Douglas Barnaby.....	Metamora
Richard James Benedict (summa cum laude).....	Corning
Gerald Bruce Briggs.....	Wooster
John Summerfield Brown.....	Derby
Ponney Garland Cisco.....	Waverly
Frederick Lynn Denton.....	Youngstown
Joe William Dickerson.....	Troy
Eugene Noel Dumbaugh.....	Mt. Gilead
Victor Herbert Fischer.....	Dayton
David Lamborn Fox.....	Loveland
John Everett Greenlee.....	Bethesda
Raymond Eugene Hite.....	Pataskala
Lawrence Edward Hora.....	New Lebanon
Robert Walter Lahmers.....	Newcomerstown
Byron Todd Leidtke.....	Canton
Robert Bruce Lewis.....	Harpster
James Francis Mutchler.....	Genoa
David Lee Reed.....	Harrod
Thomas Dwain Sayre.....	Portland
Claire J. Sharp.....	Trotwood
Benjamin Dale Stokes.....	Wilmington
William George Thornton, Jr.....	Cincinnati
Jon Larry Tucker.....	Chandlersville
Charles Davidson Wait, Jr.....	Wellington
Charles Taylor Woods.....	Lucas
Gary Lee Wyckoff.....	Piketon

(Twenty-seven candidates)

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Anne Brown.....	Cleveland
Glenda Dart Curran.....	Ashley
Rita Louise DiPaolo.....	Columbus
Helen Harrison Evans.....	Columbus
Edith Ford.....	Cleveland
Ellen Louise Gilpin.....	Portsmouth
Judith Chatfield Mirka.....	Columbus
Linda Sue Nickoson.....	West Union
Nancy Rosenberg.....	Cleveland
Vivian Irene Watson.....	Quaker City

(Ten candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

Sandee Alan Alpern.....	Dayton
Linda Arlene Alt (cum laude).....	Columbus
Esther Mary Anschutz.....	Willoughby
James Stephen Babcock.....	Columbus
Ronald Earnie Beam.....	Marion
Virginia Catherine Berry.....	Akron
Harley Myron Blank.....	Columbus
Leroy Bruce Bloomberg.....	Youngstown
William Scott Bolz (summa cum laude).....	Columbus
Barbara Jean Bowsher.....	Columbus
John Thomas Burns.....	Bedford
Ronald Franklin Burns.....	Columbus
Joseph Grimes Caldwell.....	Ashville
John David Carey.....	Wilmington
Clarence Carl Chaffee (cum laude).....	Columbus
Kenneth Dale Christner.....	Wellston
Charles Curtis Church.....	Columbus
Catherine Margaret Cicirello.....	Cleveland
William Robert Cleland.....	Cuyahoga Falls
Nicholas Patrick Coady.....	Columbus
Philip Edward Cochran.....	Napoleon
Joseph Frederick Cornett.....	Columbus
Edward Alexander Cox.....	Youngstown
Constance Barbara Crooker.....	Worthington
Dennis James Drummond.....	Columbus
*Ann Elizabeth Edmondson (cum laude).....	Columbus
Jack Thomas Foliano.....	Maple Heights
Talabi Aisie Fraser.....	Freetown, Sierra Leone, Africa
Clarence Joseph Fritz.....	Columbus
Ronald Victor Glassman.....	West Hartford, Conn.
Clyde Griffin, Jr.....	Columbus
James Paul Hanley.....	Cleveland
Francine Pearl Hazard.....	Columbus
Stephen Lee Heckman.....	Columbus
Philip Joseph Hess.....	Chillicothe
James Joseph Hodge (cum laude).....	East Liverpool
Gordon Howard Honeyman.....	Tipp City
Michael Alan Hurwitz.....	Cincinnati
Donald Charles Ihde.....	Columbus
June Edwards Kampe (cum laude).....	Columbus
Eugene Daniel Katona.....	Hicksville
Mary Folsom Keller.....	Worthington
Matthew Bennett Kolb, Jr.....	Rossford
Jane Ann Littlefield.....	Worthington
Edward Alvin McCament.....	Newark
Donald Francis McCoy, Jr.....	Cleveland
Larry Kenneth McElroy.....	Columbus
Carole Josephine McKnight.....	Dayton
Nancy Jane Meiser.....	Toledo
Douglas Allen Miller.....	Columbus
Jack Raymond Musick.....	Corning
Theodore James Myers.....	Des Moines, Ia.

* Two degrees

Philip Reynolds Nelson.....	Worthington
Thomas Lee Nicholson.....	Canton
Janene Ann Nicodemus.....	Ashland
Richard Lawrence Norton.....	Warren
Judith Barnard Papier.....	Wilmette, Ill.
Howard Worthington Peterson, Jr.....	Steubenville
John Scott Phillips.....	Chillicothe
Joseph Arthur Porch.....	Celina
William Wallace Pyles.....	Cambridge
Robert Kemper Reynolds.....	Xenia
Frank Calvin Richardson III.....	Toldeo
Edwin Eugene Schottenstein.....	Bellefontaine
Sue Anne Schultz.....	Wilmington
Donna Helen Scott.....	Tiffin
John Laird Shannon	St. Clairsville
John Masters Sharp.....	Carrollton
Keith Graham Shay.....	Amherst
Richard Dana Silver.....	Salem, Mass.
Robert David Stocklin.....	Chillicothe
Siegfried Ottomar Storz (cum laude).....	Columbus
Charles David Thomas, Jr.....	Martins Ferry
William Roger Turner.....	Cleveland Heights
Margaret Rose Turpin.....	Nevada
Pantel Steve Vokonas.....	Canton
Sally Stafford Wallace.....	Springfield
Clemens Richard Weisenberger.....	Columbus
Reginald Joseph West.....	Akron
Morley H. White.....	Youngstown
David Edward Williams.....	Columbus
David Samuel Winston.....	Canton

(Eighty-two candidates)

Bachelor of Science

Louis Joseph Altomare.....	Leetonia
Barbara Estel Anderson.....	Columbus
Hugh Vaughn Angle.....	Cleveland Heights
Ronald Owen Atherton.....	Columbus
Warren Alan Baker.....	Buffalo, N. Y.
Richard James Buist.....	Willard
John Edward Click.....	Dayton
David Charles Crowley.....	Cincinnati
Patrick Joseph Crowley.....	Roseville
Charles John Cunning.....	Mansfield
J. Barton Didrick.....	Grover Hill
Richard Eugene Dyer.....	Lancaster, N. Y.
John Bruce Faulk.....	Cleveland
Larry Brent Fishbaugh.....	Celina
Jerry James Foster.....	Coshocton
Jon Duane Gove.....	Columbus
Donald Ray Greenlee.....	Charleston, W. Va.
Ronald Lee Harper.....	Frankfort
Barney John Hein.....	Columbus
Michael Alan Hirsch.....	University Heights
Glenn Francis Hodson, Jr.....	Bradford

Lester Lavern Hosford, B.A. (Central Washington College of Education).....	Raymond, Washington
Robert Edwin Ihnot.....	Lakewood
James Walter Keller.....	Painesville
Robert Clark Langdon.....	Columbus
Robert Alan Lewis.....	Jeromesville
Gerald Thomas Long.....	Canton
Harvey Lyons.....	University Heights
Kerry Nold MacGowan.....	Cleveland
Maurice Anthony Marietti.....	Alliance
Elizabeth Ann McBride.....	Westerville
Robert James McConnell.....	Dayton
Sally Ann Mentall.....	Cleveland
Richard Dominic Mico.....	Dennison
Andrew Jackson Miller III.....	Chillicothe
Raymond Richard Nicholls.....	Cleveland
James Francis Nicklaus.....	Westerville
George John Rice.....	Columbus
Patrick Joseph Riley.....	Columbus
Edward Lee Schechter.....	Columbus
Lloyd Don Shumaker.....	Seville
Allen Seth Spike.....	Elyria
Max Daniel Trout (cum laude).....	Enon
James Jerald Vath.....	East Cleveland
Michael Ferris Wadley, B.A.....	Akron
Mayer Louis Wainstein.....	Portsmouth
Michael Edward Whitcomb.....	Cincinnati
Arthur Wright Wiles.....	Columbus
Leroy Martin Yeary.....	Euclid

(Forty-nine candidates)

Bachelor of Science in Medical Technology

Elizabeth Anne Frey.....	Rittman
Sue Swinehart Wilson.....	Bryan

(Two candidates)

Bachelor of Science in Physical Therapy

Robert Gerald Steffl.....	Dillonville
Carol Humerickhouse Wenger.....	New Philadelphia

(Two candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

John Edward Fitzgerald.....	Lima
Monica Marie Mandula (cum laude).....	Cleveland
Sanford Newman.....	Cleveland Heights
Michael Ralph Roberts.....	Bayside, N. Y.
Marie Ellen Simms.....	Akron

(Five candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

Bachelor of Science in Business Administration

Howard Watson Argue.....	Martins Ferry
Wade Jackson Beyerly III.....	Chillicothe
William Elwood Bryant.....	Columbus
Ronald John Bugala.....	Cleveland
Roy Eugene Burkey.....	Columbus
John Dennis Burns.....	Columbus
Donald Conley Byers.....	Orrville
Samuel Bruce Campbell.....	Mansfield
Roger Gary Cherryholmes.....	Massillon
William Marlan Cobb.....	New Middletown
Thomas Alan Cochran.....	Newark
James Earl Danner.....	Wooster
Walter Garland Davis.....	Piketon
Virgil Lee Deemer.....	Columbus
Richard Alfred DeFosset.....	Columbus
Ernest Peter DeRoy.....	Columbus
Grover Cleveland Dixon, Jr.....	Columbus
Gene Edwin Dougherty.....	Cincinnati
Pamela Beeler Dunn.....	Wooster
Norman Ladell Fair.....	Delphos
Richard Dale Foos.....	Marion
John Robert Fox.....	Columbus
Louis Leonard Geneva.....	S. Portland, Me.
Roger Martin Gilbert.....	Shaker Heights
Diana Lee Green.....	Canton
Richard Alan Haddad.....	Toledo
James Daniel Hallahan.....	Bay Village
Raymond Franklin Harlow.....	Rayland
Millard Cockerham Hartley, Jr.....	Versailles, Ky.
Alan Henry Hartney.....	Ashland
Edward Burton Hecht.....	Canton
Jerry Kishler Howard.....	Toledo
Richard Harrison Hoyt.....	Mt. Vernon
Herschel Todd Jennings.....	Columbus
William Kaplan.....	Cleveland
William Regis Keaney.....	Columbus
Barry Ronald Kolin.....	University Heights
David William Kopelman.....	Toledo
Robert Erwin Krasnosky.....	Cleveland
Paul Mason Kreiling.....	Columbus
Neal Edward Kresheck.....	Middletown
David Allen Leonard.....	Olmsted Falls
James Donald Maxwell.....	Zanesville
James Lee Maxwell.....	Columbus
William Rodgers McDavid.....	Charleston, W. Va.
Ronald Hurst McHam.....	Columbus
Edwin Duain Merriman.....	Columbus
Daniel Ray Mitchell (cum laude).....	Burgoon
Edward Alfred Moats.....	Chillicothe
Marvin Eugene Motes.....	Chillicothe
Ted L. Neely.....	Galion
Galen Wayne Nixon.....	Columbus

Richard Allan Oman.....	Richwood
Richard Clark Omohundro.....	Columbus
Charles Emory Orr, Jr.....	Uhrichsville
Roger Lawrence Paul.....	Greenhills
Grover John Plott.....	Lorain
William Henry Prentice.....	North Lawrence
Robert Emmett Roach, Jr.....	Columbus
Patrick Lester Rose.....	Logan
Samuel William Rushay.....	Zanesville
Gene Edward Schaefer.....	West Middletown
Richard Allen Schmid.....	Cincinnati
Sharon June Schwartz.....	Marietta
Elbert Bruce Shane (cum laude).....	Girard, Ill.
Mary Ann Shoop.....	Columbus
Melvyn M. Solon.....	Cleveland Heights
Larry Alan Swartz.....	Logan
Ronald Eugene Tackett.....	Dayton
Richard Walsh Tobin, Jr.....	Akron
Frederick Lee Ulrich.....	Newark
Rene Vishney.....	West Hempstead, N. Y.
Thomas George Wagenbrenner.....	Columbus
Merle Jane Wagner.....	Cincinnati
Theodore Joseph Waite, Jr.....	Cleveland
David Richard Webb.....	Westlake
Donald Myron Wright.....	Columbus
Robert Arthur Yoder.....	Ravenna

(Seventy-eight candidates)

Bachelor of Science in Social Welfare

Charles Ray Adams.....	Maumee
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(One candidate)

COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

Doctor of Dental Surgery

William Emmett Emmert.....	Fostoria
Mark Atkins Shapiro, B.Sc.....	Cleveland Heights
Michael Earl Shuman, B.A.....	University Heights

(Three candidates)

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

Kay Edwin Albert.....	Forest
Judith Ann Ankrom.....	Chillicothe
William Robert Arnet, Jr.....	Cincinnati
David Edward Augspurger.....	Middletown
William Albert Ayers.....	Columbus
Thomas San Nicolas Barcinas.....	Merizo, Guam
David Placidus Barker.....	Columbus
Carolyn Kay Beach.....	Dayton
Sylvia Cligrow Bianco.....	Worthington
Saundra Spicer Blackwell.....	Ironton
Beverly Anne Blose.....	Columbus
Patricia Lorene Bremen.....	Dayton
Janice Porter Brown.....	Columbus
Meade Renfrew Burnett.....	Cleveland
John Frank Busse.....	Dayton
Judith Ann Callinan.....	Columbus
Phyllis Fife Carey.....	Wilmington
Caryn Fan Clossman.....	University Heights
Robert Lee Clover.....	Harrod
Jo Swayne Coady.....	Columbus
Linda Powell Coonfare.....	Columbus
Beatrice Gamber Cooper.....	Columbus
John Oliver Coston.....	Columbus
Lowell Dean Crabtree.....	Lucasville
Sharon Lorelle Crosier.....	Columbus
James Clifford Damron.....	Columbus
David Keith Daniels.....	Columbus
Merrill Franklin Davis.....	Columbus
David Lee Dayton.....	Worthington
Donald Ray DeWitt.....	Kettering
Ann Robinson Dilbone.....	Sidney
M. Corwin Drake.....	Wilmington
*Ann Elizabeth Edmondson (cum laude).....	Columbus
Richard Eiche.....	Cincinnati
Virginia Conley Evans.....	Grove City
Alan Dale Fiers, Jr.....	Indianapolis, Ind.
Patricia Ann Filipek.....	Berea
Paul Edward Fournier.....	Portsmouth
Diane Elizabeth Freeman (cum laude).....	Lorain
Susan Jane Froberg.....	Lakewood
Maureen Dee Fromkes.....	South Euclid
Carolyn Jane Frost.....	Columbus
Emily Smith Garner.....	Newark
Nellie Margaret Gibson.....	Washington C. H.
Virginia Deffenbaugh Gonino.....	Blacklick
Marilyn Ann Grubaugh.....	Mansfield
Naomi Amelia Harris.....	Delaware
Sheila Delores Harshaw.....	Columbus
Alfreda Collmer Havens.....	Marion
Janic Lee Hirn.....	Venedocia

* Two degrees

Carolyn Leslie Holman.....	Columbus
Sally Hoagland Hosack.....	Toledo
Mary Hayes Hoyt.....	Waterloo, Ia.
Barbara Devonne Hunter.....	Cleveland
Cynthia Jeanne Hyre.....	Dayton
Angelo Joseph Italiano.....	Youngstown
Sherry Buerger Johanson.....	Kenton
Richard Allen Johnston.....	Columbus
Kenneth Werner Kaffenberg.....	New Richmond
Elaine Miriam Katz.....	Shaker Heights
Carolyn Louise Kauer.....	Columbus
Kathleen Ellen Kinnison.....	Rocky River
Arthur Hobart Leaf.....	Columbus
Helen Hall Lee.....	Columbus
James Warren Litton.....	Sidney
Linda Ann London.....	Gahanna
Marianne Beamer Malindzak.....	Sherrodsville
James Richard Mayers.....	Richwood
Sandra Hastings McCormick.....	Columbus
Sandra Kay McDougal.....	Columbus
Florence Catherine McNamara.....	Delaware
Marcia Raupe Miller.....	Columbus
Robbie LeRoy Miller.....	Marion
Lisle Serles Mitchell.....	Mansfield
Janet Jones Mitten.....	Chillicothe
Shirley Marion Moland, B.A.....	Columbus
Nancy Helen Nemeth.....	Painesville
David Leo Noll.....	Lewis Center
Mildred Miller Ober.....	Toledo
Mona May Parker.....	Columbus
Harry Gene Peare.....	Springfield
Judith Ann Pettit.....	Zanesville
Joyce Louise Rafferty.....	East Palestine
Juris Raudins.....	Ashtabula
Patricia Rose Redding.....	Forest
Dean Clinton Reeder, B.A. (Long Beach State College).....	Mt. Vernon
Diana Rohr.....	Columbus
Esther Miller Ross.....	Columbus
Barbara Ann Russell.....	Columbus
Erwin David Sampson.....	Columbus
Kathleen Andrews Shapter.....	Columbus
Evelyn Coral Sharp.....	Sebring
Jan Wendell Shedd, B.Sc. in Bus.Adm.....	Columbus
Kathleen Thomson Sherman.....	Urbana
Sharon Barnes Slack.....	Columbus
Nancy Rupp Sloan.....	Parma
Nancy Lu Small.....	Columbus
Alice Barker Smith.....	Columbus
Glenn Erwin Smith.....	Cincinnati
Paul Richard Smith.....	Marietta
Cynthia Marie Spoerl.....	Bowling Green
William Harvey Sproat.....	Magnolia
William John Stemen.....	Columbus
Helen Anne Stern.....	Cleveland Heights
Jo Anne Vandall Summerfield.....	Columbus
Stephanie Olivia Swartzel.....	Waynesville

Shirley Von Tackett.....	Rushtown
Robert John Tangeman.....	Coldwater
Virginia Kay Thatcher.....	Delphos
Linda Lou Thompson, B.A.....	Columbus
Rosalie Tieman.....	Columbus
Virginia A. Titonis.....	Martins Ferry
Doris Elaine Tucker.....	Georgetown
Corinne Slack Urton.....	Columbus
Sue Dillahunst Van Voorhis.....	Columbus
Carolyn Jean Wagner.....	Mt. Vernon
Sonja Marie Wahll.....	Columbus
Eugene Blaine Wenger, A.B. (Heidelberg College).....	New Philadelphia
Marilyn Carol Whitacre.....	Pleasant Plain
Marcia Ann Whitcomb.....	Toledo
Marilyn Sammet White.....	Columbus
Diane Marjorie Wiese.....	Bay Village
Robert Judson Wynkoop.....	Canal Winchester
Laurence Michael Zak.....	Cleveland
Paula Lee Zollinger.....	Columbus
Julie Paillet Zox.....	Columbus

(One hundred and twenty-six candidates)

Bachelor of Fine Arts

Linda Lou Dorff.....	Columbus
William Weldon Euans.....	Columbus
Sara Jane Heinmiller.....	Columbus
Carol Jean Kammerer.....	Lancaster
David William Krapp.....	Columbus
Dorinda Lee Lauffer.....	Columbus
Marie Louise Montbrand.....	Columbus
Billie Maxine Pierce.....	Lebanon
Beman Stringer Pound, Jr.....	Columbus
Richard Lee Terbrueggen.....	Columbus
Marlene Deatherage Wright.....	Columbus

(Eleven candidates)

Bachelor of Science in Occupational Therapy

Jacqueline Handler.....	Cincinnati
Laura Prugh Johnson.....	Dayton
Donna Emily Rood.....	Lakewood

(Three candidates)

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

Bachelor of Agricultural Engineering

Edwin Arthur Heys.....Berlin Heights
John Adam Poplis.....Springfield
(Two candidates)

Bachelor of Chemical Engineering

Dwight Madison Armitage.....Middletown
Richard Berkey Cooper.....Columbus
Dale Clifford Edwards (summa cum laude).....Barberton
(Three candidates)

Bachelor of Civil Engineering

Robert Campbell McMahan.....Geneva-on-the-Lake
Charles Wilson Schultz.....St. Marys
(Two candidates)

Bachelor of Electrical Engineering

David George Brubaker.....South Point
Richard Alan Curry.....Barberton
David Lawrence Fritzsche (cum laude).....Homerville
Earl Clifford Holtgreffe.....Cincinnati
James Donald Markham.....Waverly
Jerry Eugene McLinn.....Columbus
Gerald Allan Nordstrom.....Willowick
Gary Luther Pollitt.....Amelia
(Eight candidates)

Bachelor of Industrial Engineering

Arthur Charles Brandt.....Marysville
Ronald Jack Ebert.....Kettering
Steven L. Klebanoff.....Merion Station, Pa.
John Nunnelee Snider.....Rochester, N. Y.
John Robert Ternovan.....Cleveland
(Five candidates)

Bachelor of Mechanical Engineering

William Frederick Augsburgur.....Columbus
Richard Lee Henry.....Perrysville
Thomas Lee Joseph.....Green Springs
(Three candidates)

Bachelor of Science in Physics

John Robert Brannan (cum laude).....Piqua
Richard Roy Corwin.....Powhatan Point
Siegfried Mikuteit.....Columbus
Wilton Kenneth Witzgall.....Sandston, Va.
(Four candidates)

SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE

Bachelor of Landscape Architecture

Charles Paul Clapper, Jr.....Curryville, Pa.
(One candidate)

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

SCHOOL OF NURSING

Bachelor of Science in Nursing

Judith Anne Beyer.....	Youngstown
Ruth Evelyn Burnett.....	Waynesville
Ruth Marie Clevenger.....	Wooster
Carol Louise Edgington.....	Dayton
Virginia Lee Fanning.....	Houston
Charlet Sautter Grooms.....	Galion
Linda Henthorn.....	Bellaire
Evelyna Long Hidy.....	Columbus
Donagene Ferguson Jewett.....	Delaware
Rhona Stewart Kirkpatrick.....	Elyria
Carolyn Elizabeth Littlejohn.....	Fletcher
Barbara Louise Lust.....	Ft. Thomas, Ky.
Linda Ketner Patt.....	Mt. Vernon
Joyce Kay Rife.....	Columbus
Sharon Rohr.....	Columbus
Constance Moore Stammler.....	Columbus
Norma Lu Svatos.....	Cleveland Heights
Barbara Sue Valley.....	Springfield
Jeanine Fulton Watters.....	Aberdeen

(Nineteen candidates)

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-SECOND MEETING
OF THE BOARD OF TRUSTEES

Gibraltar Island, Ohio, September 8, 1961

The Board of Trustees met at the Franz Theodore Stone Laboratory, Gibraltar Island, September 8, 1961, pursuant to adjournment. The Chairman, John W. Bricker called the meeting to order at 9:00 a. m. and read letters from Smith L. Rairdon and Jacob E. Davis, expressing regret at their inability to be present at this meeting.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Alan B. Loop and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Faculty Council - Changes in Rules

At its meeting held August 22, 1961, the Faculty Council approved a report of the Faculty Committee on Rules and recommended to the Board of Trustees that the Rules for the University Faculty be revised as follows:

1. That Section 1 of Rule 47.09 be amended to read as follows:

Section 1. Dismissal under Rule 47.03. Failure to meet the minimum scholastic requirements of Rule 47.03 shall result in dismissal from the University as of the end of the quarter in which such failure occurs.

2. That the present Chapter 49.00 be repealed and the following be substituted in place thereof:

49.00. Graduation

49.01. Degrees and Certificates.*

Section 1. Degrees and certificates shall be awarded undergraduate and professional students by the Board of Trustees upon recommendation of the College faculties and the Faculty Council, transmitted to the Board by the President.

Section 2. Degrees and certificates shall be awarded graduate students by the Board of Trustees upon recommendation of the Graduate Council and the Faculty Council, transmitted to the Board by the President. (See Rule 27.0705)

To obtain an undergraduate degree from this University an undergraduate student must:

- a. Have completed a minimum of three quarters in full-time residence in this University. To be "in full-time residence" in any quarter a student must be enrolled in courses carrying twelve or more quarter hours credit.
- b. Have been enrolled in the College recommending that degree during the last two quarters of work necessary to complete the degree requirements. The Executive Committee of the College recommending the degree may waive this requirement to the extent of not more than one quarter's enrollment if the student has six quarters in full-time residence (as defined in paragraph a, above) at this University, including a minimum of forty-five quarter credit hours earned through regular course enrollment at this University during the Junior and Senior years.
- c. Have earned through regular course enrollment a minimum of forty-five quarter hours credit from this University.

*Rule initiated by the Board of Trustees

September 8, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

A. Faculty Council - Changes in Rules (continued)

- d. Have satisfactorily completed the number of credit hours required for the curriculum he is pursuing. The minimum number of credit hours required in each curriculum shall include the credit hours required under Rules 31.0701 and 31.0703; however, excuses granted under Rule 31.0705 shall not reduce the stated minimum number of credit hours required in the curriculum for a degree or a certificate. Credit hours are considered as "satisfactorily completed" only if the student has received, at this University the mark A, B, C, D, Em, or K in those hours (see Rule 35.07).
- e. Have earned credit points (see Rule 37.03) totaling at least twice the number of credit hours undertaken at this University.
- f. Have satisfactorily met all additional college and curricular requirements for the degree involved.
- g. Have filed an application for the degree in accordance with rules prescribed by the College.

49.05. Requirements for a Graduate Degree.

To obtain a graduate degree from this University, a graduate student must have met the minimum requirements established by the Graduate Council and approved by the Board of Trustees.

49.07. Requirements for a Professional Degree.

To obtain a professional degree from this University, a professional student must have met the minimum requirements established by the College recommending the degree and approved by the Board of Trustees.

49.09. Attendance at Convocation Exercises.

All candidates for degrees are required to be present at their graduation convocation unless excused by the President.

- 3. That Rule 29.2713 be revised by deleting the second paragraph in Section 2 thereof and inserting immediately following the present Section 2, as amended, the following Section:

Section 3. Vacancies in the Faculty Advisory Committee to the President and the Board of Trustees shall be filled as follows:

- a. Vacancies caused by resignation from the Committee or termination of University service shall be filled by the Faculty Council by secret ballot after nominations from the floor. A member so elected shall take office immediately and shall serve until the next regular election. At the next regular election the vacancy shall be filled by following the procedures outlined in Section 2, above, except that the person filling the vacancy shall be the one who receives the next highest number of votes after the expiring terms have been filled.

I. GENERAL RECOMMENDATIONS (continued)

A. Faculty Council - Changes in Rules (continued)

- b. Temporary vacancies caused by leaves of absence or temporary inability to serve shall be filled from the panel of available non-elected nominees at the last election, in the order of votes which the nominees received at that election. A member so appointed shall take office immediately and shall serve until the regular member returns to the Committee or resigns from the Committee or terminates his service with the University.

A person filling a vacancy under a or b, above, shall not, for that reason be ineligible under Section 1 of this rule for election to the Committee within the year following his service on the Committee.

The present Section 3 is to be renumbered as Section 4 and the reference in Section 1 is to be changed to "Section 3".

4. That Rules 13.07 and 13.09 be amended by adding the word "Research" immediately before the word "Institute" in each instance that the word "Institute" appears in these two Rules.
5. That the phrase "Mershon Center for Education in National Security" be substituted for the phrase "Mershon National Security Program" each time the latter phrase appears in Rule 13.11.

It is recommended that these recommendations of the Faculty Council be approved.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

B. Constitution and Bylaws for the Inter-University Council

At a regular meeting on April 14, 1961, this Board of Trustees approved in principle a document identified as "The Inter-University Council: Memorandum of Agreement by State University Presidents and Trustees as Amended on March 22, 1961." The Board further indicated that it would consider for action at a later date a revised Constitution and Bylaws designed to implement the afore-mentioned agreement.

With the assistance of Dean Frank Strong of The Ohio State University College of Law, working drafts of a Constitution and Bylaws were prepared for submission to the Inter-University Council. At the August 23, 1961 meeting of the Inter-University Council, revised drafts of a Constitution and Bylaws were approved by unanimous vote, and each president was requested to submit said drafts to his Board of Trustees for ratification. Copies of the revised documents were forwarded to Board members with the agenda for this meeting.

September 8, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Constitution and Bylaws for the Inter-University Council (continued)

It is recommended that The Ohio State University Board of Trustees approve the Constitution and Bylaws of the Inter-University Council and that copies of said documents be made a matter of official record.

Upon motion of Mr. Ketner, seconded by Mr. Allyn, the Constitution and Bylaws of the Inter-University Council as revised August 23, 1961, were unanimously approved by roll call vote, and the Secretary was instructed to file said documents with the official records of the University.

C. Supplemental Personnel Budget - Agricultural Extension Service 1961-1962

With the receipt of the Federal appropriation for the Agricultural Extension Service, it is recommended that a supplementary personnel budget in the amount of \$7, 620. 00 be approved to bring the total personnel budget for the 1961-1962 fiscal year for the Agricultural Extension Service to \$3, 109, 945. 00.

Upon motion of Mr. Patton, seconded by Mr. Loop, the supplemental personnel budget for the Agricultural Extension Service was unanimously approved by roll call vote and the Secretary was instructed to file the "Salary Roll" detailing this supplemental budget with the official records of the University.

D. Adoption of Budget for Columbus Hospital and State Institute of Psychiatry

Transfer of the Columbus Hospital and State Institute of Psychiatry to The Ohio State University from the Department of Mental Hygiene and Correction as authorized by Amended Senate Bill 453 was reported to the Board of Trustees on July 14, 1961 and the President and Vice President, Business and Finance, were authorized to negotiate with the Department of Finance in developing the budget for this agency in accordance with the requirements of Am. S. B. 453. The negotiations have been completed and the Controlling Board has authorized the transfer of the following amounts to The Ohio State University for the operation of said agency:

Personal Service	\$1, 042, 087. 00
Maintenance	192, 879. 00
Equipment	7, 807. 00
Research	<u>25, 000. 00</u>
Total	\$1, 267, 773. 00

It is recommended that the above funds be accepted and deposited in the appropriate accounts of the University and that the annual operating budget from state-appropriated funds in an amount not to exceed \$1, 267, 773. 00 be approved for the Columbus Hospital and the State Institute of Psychiatry for the fiscal year beginning July 1, 1961.

September 8, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

D. Adoption of Budget for Columbus Hospital and State Institute of Psychiatry (continued)

It is further recommended that the Columbus Hospital and State Institute of Psychiatry be operated as an agency of the College of Medicine of The Ohio State University.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the recommendation to designate the Columbus Hospital and the State Institute of Psychiatry as an agency of the College of Medicine of The Ohio State University is hereby ratified, and the operating budget and personnel budget detailing the "Salary Roll" for this agency was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing the personnel budget with the official records of the University.

E. Transfer of the Ohio Rehabilitation Center to The Ohio State University

By authority of Amended House Bill 996, the responsibility for the operation and management of the Ohio Rehabilitation Center is to be transferred to The Ohio State University Board of Trustees, effective September 14, 1961. The annual operating budget for this agency for the 1961-1962 fiscal year as authorized by the general appropriations bill of the 104th General Assembly (Substitute H. B. 390) is as follows:

Personal Service	\$136,518.00
Maintenance	<u>76,072.00</u>
Total	\$212,590.00

It is therefore recommended that the Board of Trustees approve the operating budget for the Ohio Rehabilitation Center for the period September 14, 1961 through June 30, 1962 in an amount not to exceed \$212,590.00 from state-appropriated funds, less the amount expended between July 1, 1961 and September 13, 1961 for this agency.

It is further recommended that the Ohio Rehabilitation Center be operated as an agency of the College of Medicine of The Ohio State University.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the recommendation to designate the Ohio Rehabilitation Center as an agency of the College of Medicine of The Ohio State University is hereby ratified, and the operating budget and personnel budget detailing the "Salary Roll" for this agency was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing the personnel budget with the official records of the University.

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September 8, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES

It is recommended that all personnel changes since the July 14, 1961 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Promotions, Leaves of Absence With Salary, Leaves of Absence Without Salary, and Emeritus Title:

A. Appointments

Fritz Loewe, Visiting Professor, Institute of Polar Studies, effective September 1, 1961 through June 30, 1962, at a salary of \$7,500.00 for the period.

Donald D. Renwick, Professor, Air Science, effective August 1, 1961, at a salary of \$600.00 per annum.

Erwin H. Schneider, Professor, School of Music, effective October 1, 1961, at a salary of \$10,668.00 per annum.

Richard U. Sherman, Jr., Professor, Merghon Committee on Education in National Security, effective October 1, 1961, at a salary of \$15,168.00 per annum.

Junius F. Snell, Professor (part time - 75%), Agricultural Biochemistry, effective August 1, 1961, at a salary of \$10,068.00 per annum.

William T. Burke, Visiting Associate Professor, Merghon Committee on Education in National Security, effective April 1, 1962, at a salary of \$4,200.00 for Spring Quarter.

Gordon M. Epperson, Associate Professor, School of Music, effective October 1, 1961, at a salary of \$8,868.00 per annum.

Homer K. Geiger, Associate Professor, Sociology and Anthropology, effective October 1, 1961, at a salary of \$9,768.00 per annum.

John P. Hirth, Associate Professor, Merghon Committee on Education in National Security, effective October 1, 1961, at a salary of \$10,368.00 per annum.

C. Gratton Kemp, Associate Professor, Education, effective October 1, 1961, at a salary of \$9,168.00 per annum.

Alexander Main, Associate Professor, School of Music, effective October 1, 1961, at a salary of \$8,868.00 per annum.

Herman Trubov, Associate Professor, Bureau of Educational Research and Service, and a member of the staff of the Telecommunications Center, effective October 1, 1961, at a salary of \$10,668.00 per annum.

Mark F. Walker, Associate Professor, School of Music, effective October 1, 1961, at a salary of \$8,868.00 per annum.

September 8, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Promotions

Jerome J. Hausman from Director and Associate Professor, School of Fine and Applied Arts to Professor and Director, School of Fine and Applied Arts, effective July 1, 1961.

Robert E. Oates from Supervisor of Testing to Director of Orientation Programs and Supervisor of Testing, effective September 1, 1961.

C. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Francis R. Calderwood, Instructor (County Extension Agent, 4-H) Cuyahoga County, October 1, 1961 through December 15, 1961, to study at The Ohio State University.

Karl V. Clemons, Instructor (Area Extension Agent, Farm and Home Development), October 1, 1961 through December 15, 1961, to study at The Ohio State University.

John E. Craine, Instructor (County Extension Agent, Agriculture) Greene County, October 1, 1961 through December 15, 1961, to study at The Ohio State University.

Clarence J. Cunningham, Instructor (Supervisor, 4-H Club Work), October 1, 1961 through December 31, 1961, to study at The Ohio State University.

Frederick T. Grimm, Instructor (County Extension Agent, Agriculture) Ottawa County, October 1, 1961 through March 15, 1962, to study at The Ohio State University.

Floren V. James, Instructor (County Extension Agent, Agriculture) Erie County, October 1, 1961 through December 31, 1961, to study at The Ohio State University.

Harold D. McBurney, Instructor (County Extension Agent, 4-H) Ashland County, October 1, 1961 through December 15, 1961, to study at The Ohio State University.

Thomas J. McDonough, Instructor (County Extension Agent, 4-H) Sandusky County, October 1, 1961 through December 31, 1961, to study at The Ohio State University.

Merle E. Scheetz, Instructor (County Extension Agent, Agriculture) Licking County, October 1, 1961 through December 15, 1961, to study at The Ohio State University.

September 8, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Leaves of Absence Without Salary

Brewton Berry, Professor, Sociology and Anthropology, October 1, 1961 through December 31, 1961.

John W. Black, Professor, Speech, July 1, 1961 through December 31, 1961.

Clinton V. Oster, Professor, Economics, October 1, 1961 through December 31, 1961.

Herbert S. Parnes, Professor, Economics, January 1, 1962 through June 30, 1962.

Harold B. Pepinsky, Director of Research, University Counseling and Testing Center, October 1, 1961 through December 31, 1961 and April 30, 1962 through June 30, 1962.

Tibor Rado, University Research Professor, Graduate School, October 1, 1961 through December 31, 1961.

Elena M. Sliepcevich, Professor, Physical Education for Women, October 1, 1961 through September 30, 1962.

Thomas E. Tice, Professor (part time - 25%), Electrical Engineering, October 1, 1961 through September 30, 1962.

Warren E. Wheeler, Professor, Pediatrics, August 1, 1961 through August 31, 1961.

Dudley Williams, Professor, Physics and Astronomy, October 1, 1961 through December 31, 1961.

Nelson B. King, Associate Professor, Veterinary Medicine, September 15, 1961 through September 14, 1962.

Royall H. Snow, Associate Professor, English, October 1, 1961 through December 31, 1961.

William L. Boyd, Assistant Professor, Microbiology, October 1, 1961 through January 31, 1962.

Gordon K. Grigsby, Assistant Professor, English, October 1, 1961 through September 30, 1962.

Leroy F. Meyers, Assistant Professor, Mathematics, October 1, 1961 through December 31, 1961.

John C. Rule, Assistant Professor, History, October 1, 1961 through December 31, 1961.

September 8, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

E. Emeritus Title

Charles A. Reese, Agricultural Extension Service, with the title Assistant Professor (Extension Specialist in Apiculture) Emeritus, effective August 1, 1961.

Upon motion of Mr. Patton, seconded by Mr. Loop, the Appointments, Promotions, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Title and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

It is recommended that the research agreements heretofore entered into between The Ohio State University and The Ohio State University Research Foundation setting up the following projects be reported to the Board of Trustees for information and record:

1. Government Contracts - Federal

- a. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Antigenic Changes in Virus-Treated Erythrocytes (to be known as National Institutes of Health Project No. 707 - Ext. #5 - Department of Microbiology).
Gross Value - \$22,160.00.
- b. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Isolation of Enteric Viruses from Swine (to be known as National Institutes of Health Project No. 791 - Ext. #3, Sup. #1 - Department of Microbiology).
Gross Value - \$6,097.00.
- c. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Phytochemical Search for Medicinal Constituents (to be known as National Institutes of Health Project No. 865 - Ext. #3 - College of Pharmacy).
Gross Value - \$22,712.00.
- d. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Bacteriological Studies of Dental Calculus (to be known as National Institutes of Health Project No. 869 - Ext. #3 - College of Dentistry).
Gross Value - \$11,112.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- e. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Physical-Chemical Studies of Muscle (to be known as National Institutes of Health Project No. 874 - Ext. #3 - Department of Physiology).
Gross Value - \$9,200.00.
- f. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Neural Time-Space Mechanisms and Reading Disabilities (to be known as National Institutes of Health Project No. 876 - Ext. #3 - Institute for Research in Vision).
Gross Value - \$16,445.00.
- g. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Psychophysiology of Congenital Retinal Disease (to be known as National Institutes of Health Project No. 992 - Ext. #2 - Institute for Research in Vision).
Gross Value - \$17,250.00.
- h. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Standard Thrombus Production by Electric Current (to be known as National Institutes of Health Project No. 998 - Ext. #2 - Department of Surgery).
Gross Value - \$6,000.00.
- i. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Cytochemical Studies of Normal and Malignant Growth (to be known as National Institutes of Health Project No. 1004 - Ext. #2 - Department of Pathology).
Gross Value - \$13,800.00.
- j. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Factors Influencing Experimental Cancer of Uterus (to be known as National Institutes of Health Project No. 1005 - Ext. #2 - Department of Pathology).
Gross Value - \$12,496.00.
- k. Department of the Navy, Office of Naval Research, Washington 25, D.C., for Conducting a Course of Instruction in Navy Price Analysis (to be known as Office of Naval Research Project No. 1086 - Amend. #1 - Department of Business Organization).
Gross Value - \$36,792.00.

September 8, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

1. Cleveland Ordnance District, 1367 East Sixth Street, Cleveland 14, Ohio, for an investigation of Nondestructive Testing of Solid Propellant Missile Case Walls, Welds and Bonds (to be known as Cleveland Ordnance District Project No. 1125 - Mod. #3 - Department of Welding Engineering).
Gross Value - \$49,800.00.
- m. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Electron Microscopy of Cervical Carcinogenesis (to be known as National Institutes of Health Project No. 1159 - Ext. #1 - Department of Pathology).
Gross Value - \$10,637.00.
- n. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for An Investigation of Dental Writing (to be known as National Institutes of Health Project No. 1169 - Ext. #1 - School of Journalism).
Gross Value - \$17,250.00.
- o. Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Services to Prepare Curricula and to Present a Course of Instruction in Executive Engineering for the Civil Engineering Center, Institute of Technology, WPAFB, Ohio (to be known as Institute of Technology Project No. 1175-A - New - Department of Business Organization).
Gross Value - \$20,240.00.
- p. National Science Foundation, Washington 25, D.C., for Completion of the 360-Foot Standing-Parabola, Tilttable-Flat-Sheet-Reflector Radio Telescope (to be known as National Science Foundation Project No. 1205 - Ext. #1 - Department of Electrical Engineering).
Gross Value - \$16,700.00.
- q. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for Study of Written Communication (to be known as Rome Air Development Center Project No. 1302 - New - Department of Speech).
Gross Value - \$63,080.00.
- r. National Science Foundation, Washington 25, D.C., for Research on Syntactic Analysis (to be known as National Science Foundation Project No. 1303 - New - Department of English).
Gross Value - \$14,700.00.
- s. Cleveland Ordnance District, 1367 East Sixth Street, Cleveland 14, Ohio, for Research on Satellite Ionization Phenomena and Observations (to be known as Cleveland Ordnance District Project No. 1305 - New - Department of Electrical Engineering).
Gross Value - \$35,000.00.

September 8, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- t. Cleveland Ordnance District, 1367 East Sixth Street, Cleveland 14, Ohio, for an investigation of Nondestructive System for Inspection of Fiber-Glass Reinforced Plastic Missile Cases (to be known as Cleveland Ordnance District Project No. 1306 - New - Department of Welding Engineering).
Gross Value - \$73,100.00.
- u. National Science Foundation, Washington 25, D.C., for an investigation of Biosystematics of Silphium Laciniatum L. (to be known as National Science Foundation Project No. 1329 - New - Department of Botany and Plant Pathology).
Gross Value - \$7,200.00.
- v. National Science Foundation, Washington 25, D.C., for Synthesis and Studies of Boron Heterocycles and Derivatives (to be known as National Science Foundation Project No. 1330 - New - Department of Chemistry).
Gross Value - \$23,000.00.
- w. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Ventricular Ejection Studied by Simplified Techniques (to be known as National Institutes of Health Project No. 1337 - New - Department of Medicine).
Gross Value - \$13,740.00.
- x. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Tumor Necrotizing Activity of Tuberous Begonias (to be known as National Institutes of Health Project No. 1338 - New - College of Pharmacy).
Gross Value - \$7,446.00.
- y. Federal Aviation Agency, 16th & Constitution Avenue, N.W., Washington 25, D.C., for Lexicon of English/Non-English ATC Words and Phraseology (to be known as Federal Aviation Agency Project No. 1339 - New - Department of Speech).
Gross Value - \$60,000.00.
- z. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Mechanism of Post Contraction Hyperemia in Muscle (to be known as National Institutes of Health Project No. 1340 - New - Department of Physiology).
Gross Value - \$10,272.00.
- aa. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of The Effect of Hypotension in Obstructive Jaundice (to be known as National Institutes of Health Project No. 1341 - New - Department of Surgery).
Gross Value - \$6,900.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- bb. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Contour Comparisons of Impressions and Edentulous Ridges (to be known as National Institutes of Health Project No. 1342 - New - College of Dentistry).
Gross Value - \$6,037.00.
- cc. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Pancreatic Hormonal Influence on Gastric Secretion (to be known as National Institutes of Health Project No. 1344 - New - Department of Surgery).
Gross Value - \$75,687.00.
- dd. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Cooperative Study of Renovascular Hypertension (to be known as National Institutes of Health Project No. 1346 - New - Department of Surgery).
Gross Value - \$48,300.00.

TOTAL - Government Contracts - Federal \$733,153.00

2. Industrial and Other Contracts

- a. Alloy Casting Institute, 1001 Franklin Avenue, Garden City, New York, for an Investigation of Cast Corrosion Resistant Alloys (to be known as Alloy Casting Institute Project No. 350 - Amend. #13 - Engineering Experiment Station).
Gross Value - \$24,000.00.
- b. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #28 - Department of Electrical Engineering).
Gross Value - \$800.00.
- c. Ohio Tuberculosis & Health Association, 1575 Neil Avenue, Columbus 1, Ohio, for an investigation of Autoimmunization in Experimental Tuberculosis (to be known as Ohio Tuberculosis & Health Association Project No. 764 - Ext. #4 - Department of Microbiology).
Gross Value - \$4,147.20.
- d. Westreco, Inc., Box 146 Ridgeway Center Building, Stamford, Connecticut, for an investigation of Unsaponifiable Substances in Coffee Oil (to be known as Westreco, Inc. Project No. 878 - Ext. #4 - Department of Chemistry).
Gross Value - \$5,233.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- e. The Petroleum Research Fund, American Chemical Society, 1155 Sixteenth Street, N.W., Washington 6, D.C., for an investigation of Synthesis of Highly-Strained Unsaturated Small-Ring Compounds (to be known as The Petroleum Research Fund, ACS Project No. 938 - Ext. #1 - Department of Chemistry). Gross Value - \$22,000.00.
- f. Boeing Airplane Company, Aero-Space Division, Seattle 24, Washington, for Wind Tunnel Tests - Appendix "B" (to be known as Boeing Airplane Company Project No. 1186-A - Change #5 - Department of Aeronautical and Astronautical Engineering). Gross Value - \$1,000.00.
- g. Youngstown Area Heart Association, 807 Wick Building, Youngstown 3, Ohio, for an investigation of Artificial Heart Valve (to be known as Youngstown Area Heart Association Project No. 1304 - New - Department of Surgery). Gross Value - \$1,150.00.
- h. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Sequential Analysis of Acute Hemodynamic Changes (to be known as Central Ohio Heart Association Project No. 1307 - New - Department of Physiology). Gross Value - \$7,077.00.
- i. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Factors Determining Cardiac Output in Man (to be known as Central Ohio Heart Association Project No. 1308 - New - Department of Medicine). Gross Value - \$8,400.00.
- j. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Angiographic Evaluation of the Pulmonic Valve (to be known as Central Ohio Heart Association Project No. 1309 - New - Department of Radiology). Gross Value - \$4,635.75.
- k. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Metabolic Correlates of Diastolic Stretching and of Inotropic Changes (to be known as Central Ohio Heart Association Project No. 1310 - New - Department of Physiology). Gross Value - \$3,706.50.
- l. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Hemodynamic Studies and Cineangio-cardiography in Atrial Fibrillation (to be known as Central Ohio Heart Association Project No. 1311 - New - Department of Medicine). Gross Value - \$2,677.50.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- m. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Influence of Quinidine on Potassium Absorption by the Heart (to be known as Central Ohio Heart Association Project No. 1312 - New - Department of Physiology). Gross Value - \$7,486.50.
- n. Central Ohio Heart Association. 145 North High Street, Columbus 15, Ohio, for an investigation of The Pharmacology of Schiff Bases of Sympathomimetic (to be known as Central Ohio Heart Association Project No. 1313 - New - Department of Physiological Chemistry and Pharmacology). Gross Value - \$3,570.00.
- o. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Significance of Mitral Regurgitation in the Pathogenesis of Congestive Heart Failure (to be known as Central Ohio Heart Association Project No. 1314 - New - Department of Veterinary Physiology and Pharmacology). Gross Value - \$2,601.85.
- p. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Distribution and Action of Drugs on the Nodal Conducting and Contractile Tissues of the Mammalian Heart (to be known as Central Ohio Heart Association Project No. 1315 - New - Department of Veterinary Physiology). Gross Value - \$4,956.00.
- q. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Relation of the Adrenal to Hypertension (to be known as Central Ohio Heart Association Project No. 1316 - New - Department of Physiology). Gross Value - \$8,361.15.
- r. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Experimental Arteriovenous Fistula: Venomotor Tone and Venous Return to the Heart Before and After Surgical Correction (to be known as Central Ohio Heart Association Project No. 1317 - New - Department of Surgery). Gross Value - \$6,921.60.
- s. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Pulmonary Hypertension (to be known as Central Ohio Heart Association Project No. 1318 - New - Department of Surgery). Gross Value - \$5,250.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- t. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Radiographic Studies of Cerebral Circulation (to be known as Central Ohio Heart Association Project No. 1319 - New - Department of Surgery).
Gross Value - \$2,682.75.
- u. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of The Effect of Multiple Atherogenic Stimuli on the Pathology and Pathogenesis of Experimental Atherosclerosis (to be known as Central Ohio Heart Association Project No. 1320 - New - Department of Pathology).
Gross Value - \$7,716.62.
- v. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Evaluation of the Impedance Plethysmograph for the Determination of Inaudible Blood Pressure (to be known as Central Ohio Heart Association Project No. 1321 - New - Department of Anesthesia).
Gross Value - \$2,467.50.
- w. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation for Monitoring Renal Blood Flow and Function During Surgery (to be known as Central Ohio Heart Association Project No. 1322 - New - Department of Surgery).
Gross Value - \$6,972.00.
- x. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Determination of Cardiac Output in Man by Use of an External Counting Technique (to be known as Central Ohio Heart Association Project No. 1323 - New - Department of Physiology).
Gross Value - \$8,594.25.
- y. Life Insurance Medical Research Fund, 345 East 46th Street, New York 17, New York, for an investigation of Factors Influencing Cardiac Output in Man (to be known as Life Insurance Medical Research Fund Project No. 1324 - New - Department of Medicine).
Gross Value - \$11,000.00.
- z. Cities Service Research & Development Co., Inc., Sixty Wall Tower, New York 5, New York, for an investigation of Microbial Utilization of High Molecular Weight Alkanes (to be known as Cities Service Research & Development Co. Project No. 1325 - New - Department of Microbiology).
Gross Value - \$6,720.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- aa. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Cineradiograph Studies of the Mitral Valve in Normal and Diseased States (to be known as Central Ohio Heart Association Project No. 1326 - New - Department of Medicine).
Gross Value - \$1,785.00.
- bb. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Utilization of Percutaneous Trans-femoral Aortography in the Diagnosis of Renal Hypertension (to be known as Central Ohio Heart Association Project No. 1327 - New - Department of Medicine).
Gross Value - \$2,362.50.
- cc. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for an investigation of Ventricular Function in Congestive Heart Failure (to be known as American Heart Association, Inc. Project No. 1328 - New - Department of Medicine).
Gross Value - \$6,451.50.
- dd. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Further Studies of the Release Phase of the Valsalva Maneuver and on the Nature of the Formation of Indicator-Dilution Curves (to be known as Central Ohio Heart Association Project No. 1331 - New - Department of Medicine).
Gross Value - \$5,771.85.
- ee. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Intracardiac Phonocardiography (to be known as Central Ohio Heart Association Project No. 1332 - New - Department of Medicine).
Gross Value - \$1,575.00.
- ff. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Fetal Electrocardiography (to be known as Central Ohio Heart Association Project No. 1333 - New - Department of Obstetrics and Gynecology).
Gross Value - \$5,250.00.
- gg. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of The Effects of Mitral Commissurotomy on Co-existing Aortic Regurgitation (to be known as Central Ohio Heart Association Project No. 1334 - New - Department of Medicine).
Gross Value - \$2,384.55.
- hh. National Council To Combat Blindness, Inc., 41 West 57th Street, New York 19, New York, for an investigation of Electrical Impedance Changes of the Human Eye in Response to Light (to be known as National Council To Combat Blindness, Inc. Project No. 1336 - New - Institute for Research in Vision).
Gross Value - \$2,500.00.

September 8, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- ii. American Medical Research Foundation, 535 North Dearborn Street, Chicago 10, Illinois, for an investigation of Effects of Hormones and Anti-Rheumatic Drugs on S³⁵ Fixation in Cartilage (to be known as American Medical Research Foundation Project No. 1347 - New - Department of Medicine).
Gross Value - \$1,000.00.

TOTAL - Industrial and Other Contracts \$199,207.57

The foregoing sixty-five contracts for research in cooperation with Government, Industry and Other represent a gross income of \$932,360.57.

Upon motion of Mr. Ketner, seconded by Mr. Allyn, the above contracts were unanimously approved.

B. The Report of the Research Contracts from the
Engineering Experiment Station

During the period from June 23, 1961 through August 18, 1961, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record:

1. Government Research Contracts

- EES-164 Development of Equipment and Methodology for Utilizing
Ext. #1 Nuclear Energy for Quality Control of Highway Materials,
 Ohio Department of Highways, Columbus, Ohio.
 Gross Value - \$14,700.00.
- EES-165 Acid Mine Drainage Research Program, Natural
Ext. #2 Resources Institute, The Ohio State University,
 Columbus, Ohio.
 Gross Value - \$6,000.00.
- EES-171 A Financial Report for the Ohio Highway Needs Study,
Ext. #1 Ohio Department of Highways, Columbus, Ohio.
 Gross Value - \$26,250.00.
- EES-195 Studies Relating to Increasing the Conspicuousness of
 School Buses in Fog, Ohio Department of Highways,
 Columbus, Ohio.
 Gross Value - \$5,029.00.

TOTAL - Government Research Contracts \$51,979.00

September 8, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts from the Engineering Experiment Station

2. Industrial Research Contracts

- EES-158 Interfacial Tension Between Liquid Iron and Slag,
Ext. #2 American Iron and Steel Institute, 150 E. 42nd Street,
New York 17, New York.
Gross Value - \$15,000.00.
- EES-172A A Study of the Rheologic Properties of Bituminous
Ext. #3 Concrete, The Asphalt Institute (OSU Development Fund),
University of Maryland, College Park, Maryland.
Gross Value - \$3,000.00.
- EES-193 A Study of the Shuttle Car Problem, The Jeffrey Manu-
facturing Company, Columbus, Ohio.
Gross Value - \$1,380.00.
- EES-194 Stress Corrosion Investigation of Stainless Steel, Olin-
Mathieson Chemical Corporation, Lake Charles, Louisiana.
Gross Value - \$21,600.00.

TOTAL - Industrial Research Projects \$40,980.00

The foregoing eight contracts for research in the Engineering Experiment Station represent a gross income of \$92,959.00.

C. Peace Corps Contract No. PC-(W)-23 - Punjab, India Agricultural Extension Project

It is recommended that the action taken to execute a contract (No. PC-(W)-23) between the Peace Corps of the United States of America and The Ohio State University be ratified. The contract effective August 1, 1961 was executed on the basis of approval granted by the Board of Trustees in telephone conversations or written communications.

Under the terms of this contract The Ohio State University in cooperation with the Peace Corps will train and participate in the selection of trainees to serve in the Punjab State in India as Peace Corps Volunteers pursuant to an invitation from the Indian Government. Thirty people will be selected and brought to The Ohio State University campus for a training program in American studies, Indian area studies, technical skills, physical conditioning, health and safety education, language and linguistic preparations in Punjabi and Hindi, etc. Twenty-five of these people who complete the program will go as a team to the State of Punjab in northern India and work in close cooperation with The Ohio State University technologists in the further development of the educational program now being carried out through an agreement the University has with the International Cooperation Administration.

September 8, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Peace Corps Contract No. PC-(W)-23 - Punjab, India Agricultural Extension Project (continued)

The Ohio State University is to be reimbursed for all costs, both direct and indirect, incurred as a result of this contract and the total estimated cost of the project is \$72, 398. 00.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the execution of a contract between the Peace Corps and The Ohio State University is hereby ratified by unanimous roll call vote.

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IV. GIFTS

It is recommended that the following gifts be accepted for the University and the appreciation of the Board of Trustees be appropriately expressed:

A. Administered Through the Development Fund

1. \$2, 685. 00 for the Aaron B. Cohn Memorial Scholarship Fund.

Aaron B. Cohn Memorial Scholarship Fund

The Aaron B. Cohn Memorial Scholarship Fund was established August 8, 1961, by gifts through the Development Fund from friends of Aaron B. Cohn, LLB '10, in his memory, and by a bequest from said decedent. The principal is to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for scholarship aid to worthy and qualified students. In case the need for such scholarships should cease to exist or so diminish as to create unused income, then the Board of Trustees may use said income for any purpose in its discretion.

Upon motion of Mr. Allyn, seconded by Mr. Patton, the foregoing gift was accepted by unanimous vote.

B. Report from The Ohio State University Development Fund

In June and July, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

1. June, 1961

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2, 763	\$ 46, 110. 07
Individuals, Other Than Alumni	68	11, 583. 20
Non-Profit Organizations	72	56, 336. 79
Business Concerns	42	54, 827. 00
	<u>2, 945</u>	<u>\$168, 857. 06</u>

Of these gifts, 2, 326 totaling \$11, 846. 52 were undesignated and 619 totaling \$157, 010. 54 were designated.

September 8, 1961 meeting, Board of Trustees

IV. GIFTS (continued)

B. Report from The Ohio State University Development Fund (continued)

2. July, 1961

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,292	\$ 13,270.21
Individuals, Other Than Alumni	35	2,045.30
Non-Profit Organizations	98	139,911.00
Business Concerns	21	49,280.08
	<u>1,446</u>	<u>\$204,506.59</u>

Of these gifts, 1,089 totaling \$11,055.75 were undesignated and 357 totaling \$193,450.84 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Development of Additional Offices at Research Center

Increases in the staff of the Numerical Computation Laboratory, the Research Foundation, the Department of Psychology, and the Institute of Nutrition and Food Technology make it necessary to proceed at this time with the development into offices of the last 2,000 square feet of floor space at the Kinnear Road Research Center. It is recommended that there be appropriated from the General University Fund an amount not to exceed \$20,000.00 for this purpose.

Upon motion of Mr. Ketner, seconded by Mr. Patton, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

B. Preparation of Campus Maps

The Board of Trustees on October 10, 1961 appropriated from the General University Fund a sum not to exceed \$2,500.00 for the preparation of such maps as were needed to advance the Campus Master Plan study. It is now recommended that an additional amount not to exceed \$4,500.00 be appropriated from the General University Fund for the preparation of such additional maps as may be needed to complete the Campus Master Plan.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

C. Production of University Film

The Executive Director, University Relations, has reported that University films currently available for use by high schools, alumni, service clubs, and others are out of date and consequently ineffective. It is therefore recommended that an amount not to exceed \$10,000.00 be appropriated from

September 8, 1961 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

C. Production of University Film (continued)

the General University Fund for the production of a sound and color informational picture film. The film is to be produced by the Department of Photography in consultation with the Executive Director, University Relations.

Upon motion of Mr. Loop, seconded by Mr. Ketner, the above recommendation for appropriation of funds was unanimously approved by roll call vote subject to further report to the Board of Trustees concerning the adequacy of the amount \$10,000.00.

D. Development Fund Budget for 1961-1962

It is recommended that the sum not to exceed \$85,000.00 be allocated from the University Maintenance Funds toward the operating expenses of the Development Fund for the fiscal year ending June 30, 1962 and that an operating budget in the amount of \$135,514.00 be approved. The budget amount will be provided as follows:

University Allocation	\$ 85,000.00
Cumulative Interest on Development Fund Investments	<u>50,514.00</u>
	\$135,514.00

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation for allocation of funds was unanimously approved by roll call vote.

E. The Ohio State University Association

It is recommended that an amount not to exceed \$8,000.00 be allocated to The Ohio State University Association from the University Maintenance Funds for services to the University for the period from July 1, 1961 to June 30, 1962.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the above recommendation for allocation of funds was unanimously approved by roll call vote.

F. Appropriations for University Administrative Officials

Mr. Thomas Patton, Chairman, Committee on Finance and Investment, presented the recommendation that the following amounts be appropriated from the unrestricted interest on endowment funds in the University Treasury to the administrative officers of the University for the purposes of carrying out their official responsibilities during the 1961-1962 fiscal year: to the President, \$7,500.00; to each of the Cabinet officers, \$1,000.00; and an additional amount of \$1,000.00 to be allocated at the discretion of the President for such costs as may be incurred by the administrative officers as they, by direction, further the fiscal progress of the University.

Upon motion of Mr. Patton, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Remodel Robinson Laboratory

General Contract

It is recommended that steel shelf angle brackets, welded to five existing steel columns in Area 3, be provided; that the metal pan-forming layout be revised; and that a 12" x 12 1/2" continuous concrete beam be provided to carry the concrete floor.

	<u>Add</u>	<u>\$578.00</u>
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It is recommended that the following changes be made:

1. Remove an existing wood stud partition in Toilet Room No. 1003 and replace it with 4" concrete block partition to support the toilet fixtures properly. Add \$298.00.
 2. Provide a new 4" concrete block partition with a new hollow metal door frame in the northeast corner of Room 2037 adjacent to elevator. Add \$171.00.
 3. Omit acoustical ceiling in Room 1035 and provide a two-coat spray paint finish instead. Deduct \$88.00.
- | | | |
|--|---------------------|-----------------|
| | <u>Net addition</u> | <u>\$381.00</u> |
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Heating and Ventilating Contract

It is recommended that the heating units in Room 2021 be moved back against the walls.

	<u>Add</u>	<u>\$143.00</u>
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Electrical Contract

It is recommended that the following changes be made:

1. Raise the bus duct in Room 1031 to provide for the assembly of future laboratory equipment. Add \$169.00.
2. Provide a new feed and hook-up for an electric range in Room 2105. Add \$143.00.

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

A. Remodel Robinson Laboratory (continued)

Electrical Contract (continued)

3. In lieu of new location for starter and circuit breaker in Room 1100, leave starter and circuit breaker in present location and run feeder to existing pull box on north wall of Room 1100.

Deduct \$75.00-

Net addition \$237.00

Funds for these extra orders will be provided from 704 Remodel Robinson Laboratory, H.B. 390.

B. Dormitory "F" for Women

General Contract

It is recommended that the width of the elevator shaft at PE-3 be reduced by 4 inches above and below the first floor rear door opening; the concrete supporting beams at 10 floors increased in width; and the exterior wall changed from a solid wall to a cavity wall to comply with the latest revised elevator building code.

Add \$495.00

It is recommended that the following changes be made:

1. Provide standard 3" moulded design door frames in lieu of 4" wide hollow metal standard door frames. Deduct \$1,200.00:
2. Provide Ozark Tavernelle for sills and White Italian marble for shower partitions and shelves in lieu of Ozark Tavernelle marble for window sills, shelves and shower partitions. No change in cost.
3. Lower the new footings resulting in 20 cu. yds. of extra excavation and 10 1/2 cu. yds. of extra concrete because of a difference in elevations discovered on excavation. Add \$521.00.

Net deduction \$679.00

Plumbing Contract

It is recommended that a 6" valved by-pass line be provided to connect the new 8" cold water line to the existing 6" cold water line in the pipe space of Siebert Hall.

Add \$343.00

Funds for these extra orders will be provided from the Dormitory Construction Account.

September 8, 1961 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

C. Veterinary Clinical Unit Building

Plumbing Contract

It is recommended that an 8" valve and 8" x 8" main tee be provided at the time of tying on the water main for service to the building.

Add \$ 193.00

Approval is subject to funds being made available by the Legislature.

D. Addition to Campbell Hall

Electrical Contract

It is recommended that the following changes be made:

1. Increase the power capacity of each of three transformers from 100 KVA to 167 KVA. Add \$2, 550. 00.
2. Provide approximately 85 square feet of additional concrete floor slab in the basement transformer area of existing Campbell Hall. Add \$100. 00.

Total addition \$2, 650. 00

It is recommended that additional receptacles, outlets and conduit be provided as requested by the Telephone Company to accommodate the proposed intercom system.

Add \$ 180.00

Heating and Ventilating Contract

It is recommended that the existing heating supply and return lines in an existing concrete pipe tunnel, serving the Women's Field House, be rerouted through the new addition and over the basement ceiling.

Add \$1, 346. 00

Plumbing Contract

It is recommended that the existing hot, cold and recirculating water lines in an existing concrete pipe tunnel, serving the Women's Field House, be rerouted through the new addition and over the basement ceiling.

Add \$1, 099. 00

Approval of these extra orders is subject to the appropriation of funds by the Legislature.

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

E. Married Housing Project No. 2

Outside Services Contract

It is recommended that a new junction box be provided at the discharge end of the existing storm sewer main and install 72 lin. ft. of Lo-Head sewer pipe beyond this point, using Lo-Head pipe left over from an earlier change in the storm sewer lines.

Add \$2,380.00

Funds for this extra order will be provided from the Married Housing Construction Account.

F. Ice Rink, Phase II

Electrical Contract

It is recommended that a 600 amp. fusible switch with 400 amp. fusetron fuses be provided in lieu of the 300 amp. main switch in the new transformer station under the south side of the Arena.

Add \$ 674.00

Funds for this extra order will be provided by a transfer from the General University Fund to an appropriate building account.

G. Law Center Building

General Contract

(a) It is recommended that the following changes be made:

1. Change wall finishes in Rooms 107, 109, 117 and 209. Add \$1,061.00.
2. Omit vinyl floor covering in Rooms 108, 117, 212, 213, and 214. Deduct \$355.00.
3. Provide a new six foot wide sidewalk at the front of the building and install black top surfacing between the walk and the street curb. Add \$919.00.

Net addition \$1,625.00

(b) It is recommended that the following changes be made:

1. Provide Alcoa Pattern #21 sheets for window wall system in lieu of Pattern #23 sheets. Deduct \$145.00.

September 8, 1961 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

G. Law Center Building (continued)

General Contract (continued)

2. Omit one cased opening, change two cased openings to standard panels and provide a door and hardware for another cased opening. Add \$124.00.
3. Move the double recessed drapery tracks farther apart and insert a finish wood spacer between them. Add \$71.00.
4. Omit moving telephone pole at southeast corner of property and revise parking area and site work as necessary. Deduct \$30.00.
5. Provide a metal grating floor at the elevator sheaves in the elevator penthouse for access to the sheaves. Add \$267.00.
6. Omit the elevator car control station at the rear elevator door. Deduct \$176.00.

Net addition \$ 111.00

Plumbing Contract

It is recommended that roughing-in of waste, vent, hot and cold water piping be provided for a future sink on the south wall of the Mail and Machine Room.

Add \$ 368.00

Electrical Contract

It is recommended that the following changes be made:

1. Delete 8 lighting fixtures and add two fixtures.
2. Relocate telephone and intercom outlets and provide additional outlets with necessary conduit back to terminal cabinet.

Add \$1,167.00

Funds will be provided by the Ohio State Bar Association Building Fund.

H. Botany and Zoology Building Remodeling and Expansion

Plumbing Contract

It is recommended that the following changes be made:

September 8, 1961 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

H. Botany and Zoology Building Remodeling and Expansion (continued)

Plumbing Contract (continued)

1. Change location of existing fire hydrant and install new Tee for hydrant and new water main.
2. Provide necessary pipe and fittings to raise new 6" water main over existing 6" cooling water line.
3. Repair existing sidewalk around this extra work as required. Add \$748.00

Approval of this extra order is subject to the appropriation of funds by the Legislature.

I. Exterior Painting of Twenty-Three Buildings

It is recommended that an extension of time be granted to the contractor for this project from June 30, 1961 to September 15, 1961, because of delays caused by the exceptionally wet weather during the spring and summer.

J. Institute of Research in Vision, Phase II

Laboratory Equipment Contract

It is recommended that two additional laboratory sink cabinet assemblies be provided. Add \$453.00

Funds for this extra order will be provided from 706 Institute of Research in Vision, Phase II, H. B. 390.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendations individually and collectively were unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of material and estimates of cost for the following projects be approved by the Board of Trustees:

A. Infectious Diseases Laboratory

Funds for this project will be provided by a transfer from the General University Fund in an amount not to exceed \$20,000.00 to an appropriate building account and other funds available in the Research Foundation.

September 8, 1961 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS (continued)

B. Remodeling in Campbell Hall (Air Conditioning in Existing Building)

Approval of this project is subject to the reappropriation of funds by the Legislature.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the above recommendations were unanimously approved and ratified by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if funds are made available by new appropriations or are presently available, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repair of Showers, Baker Hall

Bids were received on July 28, 1961 and the award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(6 bids received)		
Waller & Lund, Inc. (Columbus, Ohio)	\$50,743.00	\$51,387.00

Funds for this project are provided from Dormitory Revenues.

B. Repair Interior of Nine Refrigerators, University Hospital

Bids were received on July 31, 1961 and the award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Wilson Floors Company (Columbus, Ohio)	\$5,038.00	\$7,500.00

Funds for this project are provided from Hospital Rotary.

C. Resurfacing With Blacktop the Area Under West Side of Stadium and Surface Treating Band Drilling Area

Bids were received on July 31, 1961 and the award of contract has been recommended to the low bidder as follows:

September 8, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

C. Resurfacing With Blacktop the Area Under West Side of Stadium and Surface Treating Band Drilling Area (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
Max J. Zeller, Inc. (Columbus, Ohio)		
Base bid	\$9,328.20	\$11,700.00
Alt. A-Primer	279.00	550.00
Total	<u>\$9,607.20</u>	<u>\$12,250.00</u>

Funds for this project are provided from the Athletic Revenue Fund.

D. Repairs to Concrete Curbs on the Streets on Campus

Bids were received on August 4, 1961 and award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Vaughan Construction Co. (Columbus, Ohio)	\$4,588.00	\$6,000.00

Funds are provided for this project in Maintenance Account, H.B. 390.

E. Repairing the Air Conditioning and Ventilating Systems at Health Center Research Laboratory

Bids were received on August 4, 1961 and award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Piping Contractors, Inc. (Columbus, Ohio)	\$21,954.00	\$20,805.00

Funds are provided for this project from the University Hospital Rotary.

F. Demolition and Removal of Selected Temporary Buildings

Bids were received on August 8, 1961 and award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
S. G. Loewendick & Sons (Columbus, Ohio)	\$7,500.00	\$10,200.00

Funds are provided for this project from Maintenance Account, H.B. 390.

G. Repairing and Resurfacing Walks With Blacktop Mix

Bids were received on August 11, 1961 and award of contract has been recommended to the low bidder as follows:

September 8, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

G. Repairing and Resurfacing Walks With Blacktop Mix (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Trimmer Construction Co., Inc. (Columbus, Ohio)	\$2,390.00	\$8,125.00

Funds are provided for this project from Maintenance Account, H.B. 390.

H. Resurfacing Roads and Parking Areas With Emulsion and Slag or Limestone

Bids were received on August 11, 1961 and award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
Max J. Zeller, Inc. (Columbus, Ohio)	\$10,900.00	\$16,625.00

Funds are provided for this project from Maintenance Account, H.B. 390.

I. Resurfacing Hospital Dock Area and Certain Road Intersections With Blacktop

Bids were received on August 11, 1961 and award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Strawser Paving Co., Inc. (Columbus, Ohio)	\$8,947.00	\$9,500.00

Funds are provided for this project from Maintenance Account, H.B. 390.

J. Repair and Pointing Stonework, Mershon Auditorium

Bids were received on August 24, 1961 for this project and the award of contract recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(6 bids received)		
Charbetz Co. (Columbus, Ohio)	\$13,788.00	\$16,500.00

Funds are provided for this project from Maintenance Account, H.B. 390.

K. Resurfacing Exposed Concrete Walls and Canopies at University Hospital

Bids were received on August 24, 1961 and award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
General Maintenance and Engineering Co. (Columbus, Ohio)	\$3,141.00	\$4,750.00

Funds for this project are provided from the University Hospital Rotary.

September 8, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

L. Repairs to Stadium Dormitories, Phase VI

Bids were received on August 15, 1961 and award of contracts have been recommended to the low bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (9 bids received)		
E. J. Will & Co. (Columbus, Ohio)	\$ 57,545.00	\$ 65,000.00
<u>Heating and Ventilating Contract</u> (5 bids received)		
Kuempel Co. (Columbus, Ohio)	25,395.00	31,000.00
<u>Plumbing Contract</u> (5 bids received)		
Handley Plumbing Co., Inc. (Columbus, O.)	6,158.00	8,000.00
<u>Electrical Contract</u> (5 bids received)		
R. C. Frisby Electric Co. (Columbus, Ohio)	14,500.00	16,000.00
Total contracts	<u>\$103,598.00</u>	<u>\$120,000.00</u>

Funds for this project are provided by a transfer from the General University Fund to an appropriate building account.

M. Aviation Psychology Laboratory, Research Center

Bids were received on August 16, 1961 for this project and the award of contracts have been recommended to the low bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (8 bids received)		
D. E. Gardner Co. (Columbus, Ohio)		
Base bid	\$18,663.00	\$ 28,096.00
Alt. G-1 Movable Partitions	1,000.00	1,000.00
Alt. G-2 Insulation	200.00	375.00
Alt. G-3 Shelving	2,400.00	2,850.00
Total	<u>\$22,263.00</u>	<u>\$ 32,321.00</u>
<u>Heating and Air Conditioning Contract</u> (7 bids received)		
Dotter, Inc. (Columbus, Ohio)		
Base bid	\$37,484.00	\$ 45,717.00
Alt. H-1 Return Air Duct	1,325.00	1,800.00
Total	<u>\$38,809.00</u>	<u>\$ 47,517.00</u>
<u>Plumbing Contract</u> (5 bids received)		
Wuellner and Theado (Columbus, Ohio)		
Base bid	<u>\$ 1,090.00</u>	<u>\$ 800.00</u>

VIII. REPORT OF AWARD OF CONTRACTS (continued)

M. Aviation Psychology Laboratory, Research Center (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (6 bids received)		
Pence Electric Co. (Columbus, Ohio)		
Base bid	\$20,820.00	\$ 30,587.00
Total contracts	<u>\$82,982.00</u>	<u>\$111,225.00</u>

Funds for this project are provided by a transfer from the General University Fund to an appropriate building account.

N. Ice Rink Enclosure, Phase III (Readvertisement)

Bids were received on August 29, 1961 for this project and the award of contracts have been recommended to the low bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (6 bids received)		
Garwick & Ross, Inc. (Columbus, Ohio)		
Base bid	\$30,700.00	\$37,990.00
Alt. G-1 Paint Exterior Concrete Block	460.00	750.00
Alt. G-2 Paint Interior Concrete Block	460.00	750.00
Total	<u>\$31,620.00</u>	<u>\$39,490.00</u>

Heating and Ventilating Contract
(4 bids received)

Wm. H. Rinehart, Inc. (Cols., Ohio)		
Base bid	<u>\$ 9,790.00</u>	<u>\$ 9,950.00</u>

Electrical Contract
(2 bids received)

R. C. Frisby Electric Co. (Cols., Ohio)		
Base bid	\$ 3,350.00	\$ 3,488.00
Total contracts	<u>\$44,760.00</u>	<u>\$52,928.00</u>

Funds for this project are provided from a transfer from the General University Fund to an appropriate building account.

O. Repairs to Rehearsal Hall Roof

The roof on Rehearsal Hall has reached such a state of deterioration, that major repairs are necessary. Bids were received September 1. The award of contract to the low bidder is recommended as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
George Shustick and Sons, Inc. (Columbus, Ohio)	\$4,479.00	\$4,500.00

Funds for this project will be provided from the Maintenance Account, H.B. 390.

September 8, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

P. Interior Patch Plastering and Painting of Eight Buildings

Bids were received on September 6, 1961 for this project and the award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(6 bids received)		
Madias Brothers (Detroit, Mich.)	\$57,800.00	\$78,000.00

Funds are available in the Maintenance Account of H.B. 390 for this project.

Q. Wall Washing Six Buildings

Bids were received on September 6, 1961 for this project and the award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
City Window Cleaning Co. (Cols., Ohio)	\$15,498.00	\$21,700.00

Funds are available in the Maintenance Account of H.B. 390 for this project.

R. Exterior Painting of University Buildings

Bids were received on September 6, 1961 for this project and the award of contract has been recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
Harold F. Mollenauer (Columbus, Ohio)	\$21,501.00	\$37,000.00

Funds are available in the Maintenance Account of H.B. 390 for this project.

Upon motion of Mr. Ketner, seconded by Mr. Patton, the above awards of contracts were approved and the action of the Vice President, Business and Finance, ratified by roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 527 Authorizes the expenditure of \$2,400.00 from Hospital Rotary to employ Dan A. Carmichael for services on the project "Administrative Offices for College of Medicine, University Hospital".
- 550 Authorizes the award of contract to the low bidders on the project "Improvements in Classrooms and Laboratory in Hamilton Hall" and the expenditure of \$131,239.00 from K-12, H.B. 831, for these contracts.

IX. CONTROLLING BOARD APPROVALS (continued)

- 551 Authorizes the return of various balances in building accounts, in the amount of \$53,578.01, established by transfer of funds from the General University Fund, to the General University Fund.
- 552 Authorizes the return of \$300.92 to the University Hospital Rotary from G-2-B Replace Acid Drains, University Hospital.
- 8 Authorizes 10-day advertising for the project "Ohio State University Television Distribution System, Phase A".
- 9 Authorizes the expenditure of \$4,662.00 from Budget Account 75905 to employ Marion A. Carter as architectural engineer on various projects on campus for the six-month period ending December 31.
- 15 Authorized 10-day advertising for the project "Repair of Air Conditioning and Ventilating System at the Animal Research Building" and the expenditure of \$20,805.00 from 330 The Ohio State University Hospital, H.B. 390.
- 16 Authorizes the transfer of \$15,000.00 from Rotary 601 to 702 Veterinary Clinic Building, Remodel Room 16, H.B. 390.
- 17 Authorizes the employment of Wright and Gilfillen to provide architectural and engineering services for the project "Veterinary Clinic Building, Remodel Room 16"; 10-day advertising for the contracts; and the expenditure of \$15,000.00 in Account 702, H.B. 390 to provide funds for the project.
- 18 Authorizes 10-day advertising for the project "Demolition and Removal of Selected Temporary Buildings".
- 19 Authorizes the transfer and expenditure of \$12,500.00 from Rotary 601 to 703 Repair to Stadium Dormitories, Phase V, H.B. 390, to provide funds for the project.
- 20 Authorizes the transfer of \$2,600.00 from the General University Fund to Account 704 to provide funds for an extra order to the Electrical Contract on the project "Remodel Robinson Laboratory".
- 21 Authorizes the expenditure of \$2,600.00 in Account 704, H.B. 390, to provide funds for an extra order to the Electrical Contract on the project "Remodel Robinson Laboratory".
- 22 Authorizes the transfer of \$1,986.00 from the General University Fund to Account 705 Ice Rink, Phase I, H.B. 390, to provide funds for an extra order to the General Contract for this project.
- 23 Authorizes the expenditure of \$1,986.00 in Account 705 Ice Rink, Phase I, H.B. 390, for an extra order to the General Contract for this project.
- 24 Authorizes the transfer and release of \$89.00 from the General University Fund to Account 706 Institute of Vision - Phase II, H.B. 390, to provide funds for an extra order to the Plumbing Contract for this project.

IX. CONTROLLING BOARD APPROVALS (continued)

- 25 Authorizes the transfer of \$2,232.00 from Bookstore Account 75951 to Account 707 Derby Hall - University Bookstore, H.B. 390.
- 26 Authorizes the employment of Wright and Gilfillen for services on the project "Derby Hall - University Bookstore" and the expenditure of \$2,232.00 from Account 707, H.B. 390, to provide funds for their fees.
- 27 Authorizes the transfer of \$3,200.00 from Laundry Account 75910 to Account 708 Installation of Water Softening and Heating Equipment in the Laundry, H.B. 390.
- 28 Authorizes the employment of H. A. Williams and Associates for services on the project "Installation of Water Softening and Heating Equipment in the Laundry" and the expenditure of \$3,200.00 in Account 708, H.B. 390, to provide funds for their fees.
- 29 Authorizes the transfer of \$1,500.00 from the General University Fund to Account 709 Scholarship Dormitories, Phase VI, H.B. 390.
- 30 Authorizes the employment of Ralph & Curl to provide services for the project "Scholarship Dormitories, Phase VI" and approves the expenditure of \$1,500.00 from Account 709, H.B. 390, to provide funds for their fees.
- 31 Authorizes the transfer and release of \$977.00 from the University Hospital Rotary to Account 701 Remodeling Air Conditioning System, University Hospital, H.B. 390, to provide funds for an extra order on this project.
- 32 Authorizes 10-day advertising for the project "Resurfacing Roads and Parking Areas With Emulsion and Slag or Limestone".
- 33 Authorizes 10-day advertising for the project "Resurfacing Hospital Dock Area and Certain Road Intersections With Blacktop Mix".
- 34 Authorizes 10-day advertising for the project "Repairing and Resurfacing Walks With Blacktop Mix".
- 35 Authorizes 10-day advertising for the project "Repairs to Concrete Curb on the Streets on Campus".
- 36 Authorizes the transfer of \$33,727.49 from Rotary 601 to Veterinary Clinical Unit Building, 710, H.B. 390, and the expenditure of these funds for construction and equipment.
- 41 Authorizes the expenditure of \$5,038.00 from Hospital Rotary for the contract for the project "Repair Interior of Nine Refrigerators, University Hospital".
- 42 Authorizes the award of contract to the low bidder for the project "Repairing the Air Conditioning and Ventilating Systems at Health Center Research Laboratory" and expenditure of an additional \$1,149.00 for the contract.

September 8, 1961 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS (continued)

- 43 Authorizes the expenditure of \$4,588.00 from Maintenance Funds for the contract on the project "Repairs to Concrete Curbs on the Streets on Campus".
- 44 Authorizes the expenditure of \$7,500.00 from Maintenance Funds for the contract on the project "Demolition and Removal of Selected Temporary Buildings".
- 45 Authorizes 10-day advertising for the contract "Installation of New Roof on Rehearsal Hall".
- 46 Authorizes the expenditure of \$8,947.00 from Maintenance Funds to provide funds for the contract on the project "Resurfacing Hospital Dock Area and Certain Road Intersections With Blacktop".
- 47 Authorizes the expenditure of \$2,390.00 from Maintenance Funds for the contract on the project "Repairing and Resurfacing Walks With Blacktop Mix".
- 48 Authorizes the expenditure of \$10,900.00 from Maintenance Funds for the contract on the project "Resurfacing Roads and Parking Areas With Emulsion and Slag or Limestone".
- 49 Authorizes 10-day advertising for the project "Installation of Water Softening and Heating Equipment in the Laundry".
- 50 Authorizes the issuance of an order to the Ohio Bell Telephone Company in the amount of \$19,137.00 for the cost of installing the system and another \$5,526.00 for the monthly rental for nine months to June 2, 1962.
- 51 Authorizes the transfer of \$121,500.00 from Rotary 601 to 709 Scholarship Dormitories, Phase VI.
- 52 Authorizes the expenditure of \$121,500.00 from 709 Scholarship Dormitories, Phase VI, H.B. 390 to provide funds for the contracts, and miscellaneous expenses in connection with this project.
- 53 Authorizes the transfer of \$85,000.00 from Rotary 601 to Item 711 Aviation Psychology Laboratory Remodeling, H.B. 390.
- 54 Authorizes the expenditure of \$85,000.00 from 711 Aviation Psychology Laboratory, H.B. 390, to provide funds for the contracts and miscellaneous expenses in connection with this project.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Marion Curry be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Special Policeman Commission (continued)

the Board of Trustees require Mr. Curry, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

B. Infectious Diseases Laboratory - Employment of Engineer

It is recommended that Ralph & Curl, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating, plumbing and electrical work for the above project, including design, preparation of drawings, specifications, and estimate of cost.

The fee for this service will be calculated on an hourly basis of \$7.50 per hour for a principal, \$6.00 per hour for an engineer, and \$4.50 per hour for a draftsman, the total fee not to exceed \$1,700.00. Funds will be provided from a transfer from the General University Fund to an appropriate building account.

Upon motion of Mr. Ketner, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

C. Employment of Marion A. Carter, Consulting Architect

It is recommended that Marion A. Carter, Columbus, Ohio, be employed to provide architectural and engineering services in connection with supervision of construction on the various projects on the campus.

The fee for this service will be \$4,662.00 for a period of six months starting July 1, 1961 and ending December 31, 1961 and renewable thereafter only by mutual consent. Funds will be provided from Account 75905, H.B. 390.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the above recommendation was unanimously approved by roll call vote.

D. Property, 930 Kinnear Road

Upon recommendation of the Finance Committee of the Board of Trustees, members of the Board were contacted and with their concurrence, the Vice President, Business and Finance, exercised the option to purchase the property located at 930 Kinnear Road at a price of \$250,000.00 from funds available in the investment account. He was further authorized to proceed with various repairs and improvements to this property in an amount not to exceed \$75,000.00 to render it suitable for leasing and to develop and execute a lease with a desirable lessee which would yield a return of not less than six (6) per cent on the investment.

September 8, 1961 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

D. Property, 930 Kinnear Road (continued)

It is recommended that the action of the Vice President in this regard be ratified and that he be authorized to take the necessary action to lease this property on a continuing basis under the conditions stated above and report any changes in the tenancy or income to the Board.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the above recommendation was unanimously approved by roll call vote.

E. Television Distribution System, Phase A

Bids were received on August 8, 1961, for this project and were rejected because they were either above the estimate of cost or not submitted in accordance with the specifications. The Ohio Bell Telephone Company has submitted an alternate solution for the problem which meets the technical requirements of the system in terms of capacity, quality, flexibility and completion date. They will install the system for the nonrecurring cost of \$19,137.00 plus a monthly rental of \$614.00 for the system. The rental includes all maintenance, replacement parts and repairs.

The Board of Trustees appropriated \$25,000.00 from the General University Fund for the installation of Phase A of the distribution system. The Controlling Board has authorized the University to issue an order to the Ohio Bell Telephone Company in the amount of \$19,137.00 for the cost of installing the system and a second order in the amount of \$5,526.00 which will cover the monthly rental of \$614.00 for nine months to June 30, 1962.

It is therefore recommended that the Board of Trustees ratify the action of the President in authorizing the acceptance of this proposal from the Ohio Bell Telephone Company.

Upon motion of Mr. Ketner, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote with Mr. Patton abstaining from voting since he serves as a member of the Board of Directors of the Ohio Bell Telephone Company.

F. Men's Housing Nos. 1 and 2

In the minutes of the July 14, 1961, meeting of the Board of Trustees, Miscellaneous From Office of Business and Finance, Item E, it was stated in error that the Board at their meeting on June 8, 1961, recommended the employment of an engineer for services in connection with necessary checking of structural design. Such action was not taken.

By unanimous agreement of the Board of Trustees, the Secretary was directed to correct the minutes of the July 14 meeting as stated above.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

G. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Robert L. White be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mr. White, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Professor Horace B. English and Professor Wilbur H. Siebert and, in accordance with instructions of the Board of Trustees, copies of the following resolutions, expressing on behalf of the University, the sorrow and sympathy of the Board, have been furnished to the families of the deceased.

A. Horace Bidwell English

The Board of Trustees expresses its sorrow at the death on July 20, 1961, of Horace Bidwell English, Professor of Psychology.

Dr. English was born October 1, 1892, at Eagle, Nebraska. He was a Rhodes Scholar, 1911-1914, receiving a Certificate in Cultural Anthropology and his B.A. at Oxford University, England, in 1914. He obtained his Ph.D. at Yale University in 1916.

Dr. English went to Wellesley College as an instructor in 1916 and returned after World War I as Assistant Professor in 1919. He was professor of Psychology at Antioch College during 1921-1925 and 1927-1930 and at Connecticut Wesleyan in 1925-1927. In 1930 he joined the staff of The Ohio State University as Professor of Psychology. At various times he taught summer sessions at the Universities of Indiana, Nebraska, and Illinois, served as Visiting Professor at New York University for one semester, was a collaborator at the Child Development Center of the American Council on Education in 1940, and Consultant on Child Development for the West Virginia State Department of Education in 1941. He also taught abroad as Fulbright Lecturer in 1952-53 at the University of the Punjab in Pakistan and in 1953-1954 as Visiting Professor at the University of Sao Paulo in Brazil.

Dr. English was frequently honored by the members of his profession. In 1933 he was President of the Midwestern Psychological Association. For two years he was Executive Secretary and then President (1940) of the American Association of Applied Psychology. He was active for many

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Horace Bidwell English (continued)

years in the Ohio Psychological Association and the Ohio College Association. He served as a member of the Council of the American Psychological Association, as Chairman of its Committee on Ethics, and as a member of the Council of the Society for the Study of Social Issues.

Dr. English rendered national service in many other ways. In World War I as Captain in the U. S. Army he was a Psychological Examiner and later Chief of Education and Rehabilitation for a base hospital. In World War II he was a Research Consultant to the Adjutant General's Office, 1942-1945; Consultant on Human Relations to the U. S. Forest Service, 1943; and Research Analyst for the U. S. Strategic Bombing Survey in Japan, 1945-1946.

As a productive scholar Dr. English's work was wide-ranging. The five editions of his Students Dictionary of Psychology served a whole generation of students from 1927 on, and finally culminated in the Comprehensive Dictionary of Psychological and Psychiatric Terms, published in 1958. He was also author of textbooks in the fields of learning and child psychology, as well as scores of articles ranging over nearly all facets of psychology. From 1958-1960 he edited Psychological Abstracts. As a section editor for Collier's Encyclopedia, he undertook in 1960-1961 the complete editorial revision of all articles in Psychology and Psychiatry, a project he had practically finished at the time of his death.

Finally, Dr. English was a man with strong social convictions and a great champion of personal rights. An inveterate writer of letters-to-the-editor, he made known his views on topics from the County Children's Home to perspectives on internationalism, further implementing them through many organizational affiliations from YMCA Forum through Urban League to World Federalists. In 1951 he served as expert witness, on behalf of the National Association for Advancement of Colored People, in two of the U. S. District Court trials on which were based the historic 1954 Supreme Court school desegregation decision. On campus, he was active in the affairs of the Association of University Professors.

He will be remembered by the numerous graduate students whose theses he supervised and by his colleagues in the Department of Psychology who often disagreed with him but always found him stimulating.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Wilbur Henry Siebert

The Board of Trustees expresses its sorrow at the death on September 2, 1961, of Wilbur Henry Siebert, Professor Emeritus of History.

Professor Siebert was born in Columbus, Ohio, on August 30, 1866. Having attended the public schools of Columbus, he entered The Ohio State University, where he received his A.B. degree in 1888. He continued his education

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Wilbur Henry Siebert (continued)

at Harvard University, where he earned the A.B. degree in 1899 and the A.M. degree the following year. In the academic year 1890-1891 he attended the Universities of Freiburg i. Br. and Berlin.

In 1891 Professor Siebert began his long and valuable service at The Ohio State University as an instructor in history. He was made assistant professor in 1893, associate professor in 1898, professor and chairman in European history in 1902, and research professor in history in 1925. He became professor emeritus in 1935. While lecturing to large classes and carrying on extensive research, he rendered valuable administrative service to the University. From 1902-1906 he was secretary of the faculty. On three different occasions, 1911-1912, 1927-1928, and 1936-1937, he was acting dean of the College of Arts and Sciences. In 1917-1918 he was acting dean of the Graduate School.

The best known of Professor Siebert's numerous publications are the following: The Underground Railroad from Slavery to Freedom (New York, 1898), still the standard work on this subject; The Government of Ohio (New York, 1904); Loyalists in East Florida, 2 vols. (DeLand, 1929); History of The Ohio State University, 7 vols. in 9 (Columbus, 1920-1959); and The Mysteries of Ohio's Underground Railroads (Columbus, 1951).

Professor Siebert was an active member of The American Historical Association and the Mississippi Valley Historical Association, where his scholarly and dignified appearance invariably elicited comments of admiration. His international reputation led to his election as fellow of the Royal Historical Society (Great Britain) and of the Institute Historique et Heraldique (France). Other honors included election to Phi Beta Kappa as a member of the first group received into the new chapter at The Ohio State University. He also was in the first group elected to the local chapter of Beta Theta Pi Fraternity.

As a public-spirited citizen of Columbus, Professor Siebert gave unselfishly of his time to the First Congregational Church and to a number of social agencies. For many years he was president of the Godman Guild Settlement House in Columbus and served as a member of the Board of the Associated Charities of Columbus.

Through his stimulating lectures, scholarly works, and personal contacts, Professor Siebert exerted a profound influence both on the many students who came under his influence and on those instructors who had the privilege of being his colleagues. His loyalty to his friends, his kindness to all who came into contact with him, and his unselfish service to The Ohio State University as a student and instructor for about three-quarters of a century cannot be given adequate verbal expression.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Authorization to Negotiate a Lease with Children's Hospital for Operation of a Research Facility

President Fawcett presented the following statement and recommendation concerning the possible negotiation of a lease with The Children's Hospital for the operation and maintenance of a research facility constructed by that institution.

The Children's Hospital has long been a co-operating agency with The Ohio State University College of Medicine. Recently The Children's Hospital constructed at an approximate cost of \$628,000.00 a research building at Monroe Avenue and Donaldson Street in Columbus, which had been planned for use in basic research in the field of medicine.

The University is in receipt of a letter dated August 31, 1961, and signed by R. M. Rex, President of The Children's Hospital, requesting that a nominal \$1.00 per year lease be negotiated for a period of not less than three nor more than five years wherein The Ohio State University would operate the research building at The Children's Hospital.

It is, therefore, recommended with the concurrence of the Dean of the College of Medicine, that the Board of Trustees authorize the President and/or the Vice President, Business and Finance, to negotiate such a lease with The Children's Hospital on the basis that the operation as an agency of the College of Medicine will be self-sustaining and that no University funds will be committed to the subsidy of it over and above those funds received through federal and other grants and the current operating arrangements in effect between The Ohio State University and The Children's Hospital.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote and the Secretary was instructed to file the letter from Mr. Rex with the official records of the Board of Trustees.

B. Report of Audit of Concession Contract with the David J. Belknap Company

President Fawcett presented the following statement and recommendation concerning the continuation of the concession contract with the David J. Belknap Company.

The Board of Trustees on May 5, 1960, authorized a three-year concession contract with the David J. Belknap Company with the condition that the per cent return to the University and the price schedules be negotiated each year following an audit of the Belknap Company's books and records. The financial records of the said company for the fiscal year which ended June 30, 1961, have been examined and found to be in proper order and it is recommended, with the concurrence of the Vice President, Business and Finance and the Director of Athletics, that the contract be continued with the same price schedule and the same twenty per cent of gross revenues to be paid to the University as was stipulated in the agreement for last year.

Upon motion of Mr. Ketner, seconded by Mr. Patton, the recommendation to continue the concession contract with the David J. Belknap Company was unanimously approved.

XII. REPORTS (continued)

C. Review of the Proposal for a "Center for Tomorrow"

President Fawcett reviewed with the Board of Trustees the proposal for a multi-million dollar "Center for Tomorrow" which was presented to the Ford Foundation on August 22, 1961. The President reminded the Board that an amount not to exceed \$7,500.00 was appropriated by the Board for the purpose of employing an architectural firm to assist with the preparation of such a proposal. He then exhibited an architect's rendering and a 32-page prospectus for the proposed "Center for Tomorrow." The Center is to be located at a site now owned by the University on the northeast corner of Lane Avenue and Olentangy River Road.

In summary the President indicated that the proposal provides for a synthesis of the following three major educational ventures of importance to the future of our country and in which The Ohio State University already has a substantial investment.

1. Telecommunications
2. Continuing Adult Education
3. Education for National Security

The Board of Trustees by unanimous consent commended the President on an excellent report and enthusiastically encouraged the President to proceed with plans for obtaining the necessary resources for this "Center."

D. Report of Recent Developments Relating to Off-Campus Academic Centers

President Fawcett reviewed with the Board of Trustees the history of the establishment of and development of the off-campus academic centers of the University. Also, the President advised the Board that educational and business leaders in the metropolitan areas of Dayton, Cleveland and Lima have expressed a desire for The Ohio State University to assist with providing additional higher educational opportunities for the growing student population through branch operations. He then reviewed in some detail on several conferences held during the past two months at the invitation of representative groups in the above-named communities.

Mr. Allyn confirmed that the Dayton community has a strong interest in the development of a branch university of The Ohio State University.

By unanimous agreement the Board authorized President Fawcett to proceed with the discussions and negotiations for the development of off-campus academic centers in the Dayton, Cleveland and Lima communities.

E. Report from the Office of Instruction and Research

Vice President Frederic Heimberger summarized some of the most significant developments in the areas of instruction and research during the past academic year and reviewed some of the challenges which lie

XII. REPORTS (continued)

E. Report from the Office of Instruction and Research (continued)

ahead if the University is to continue to enhance its academic position among the most reputable institutions of higher education of the nation.

By unanimous agreement Vice President Heimberger was commended on his report and the Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

F. Reports from the Office of Business and Finance

1. Distribution of Annual Financial Reports 1960-1961

Vice President Gordon B. Carson distributed and reviewed in detail the Annual Financial Report of the University for the fiscal year beginning July 1, 1960 and ending June 30, 1961 in which was contained the State Auditor's Report on the assets and liabilities and fund equities of the University.

Vice President Carson also distributed and commented briefly on the financial report of The Ohio State University Endowment Fund and a summary of legislation affecting The Ohio State University.

Upon motion of Mr. Patton, seconded by Mr. Ketner, and by unanimous roll call vote, the above reports were accepted and ordered to be filed with the official documents of the Board of Trustees.

2. Report of Audit for Fiscal Year 1958-1959

Vice President Gordon B. Carson reported that he is in receipt of a report of the Bureau of Inspection, Supervision of Public Offices of the Department of Auditor of State, covering the year July 1, 1958 through June 30, 1959.

The report indicates that the fiscal affairs of the University for that year are in order.

Upon motion of Mr. Patton, seconded by Mr. Ketner, and by unanimous vote, the Board officially received the report and ordered it to be filed with the official documents of the Board of Trustees.

3. Report on the Investment Portfolio

Vice President Carson reported on the status of the University's Investment Portfolio for the months of July and August and recommended that the agreement with Standard and Poor's for investment counsel be continued for a six-month period, beginning October 1, 1961, on the same rate as is presently in effect (\$5,500.00 per year). He further recommended that the Finance and Investment Committee of the Board review Standard and Poor's performance in retrospect at the end of three months and at the end of five months, taking such action at that time as seems best.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the Board of Trustees by unanimous roll call vote approved the above recommendations concerning the employment of Standard and Poor's and accepted the Report on the Investment Portfolio for the months of July and August.

XII. REPORTS (continued)

F. Reports from the Office of Business and Finance (continued)

4. Board Action Pursuant to the Enactment of Amended Senate Bill 398

Vice President Carson reviewed Amended Senate Bill 398 which amends Section 3345.05 of the Revised Code and upon motion of Mr. Loop, seconded by Mr. Allyn, Vice President Carson was instructed and authorized by unanimous vote to take whatever action is necessary to comply with the provisions of Amended Senate Bill 398.

5. Proposal for the Handling of Indirect Expense Money by the Research Foundation on Contract Research

Vice President Carson reviewed the previous action taken by the Board of Trustees with respect to the transfer to the University of indirect expense money collected by the Research Foundation on contract research and proposed that the Board of Directors of the Research Foundation be requested to amend its action taken on July 15, 1953, concerning the transfer of indirect expense money to provide for the following:

- a. The Foundation shall grant to the University without restriction, all monies in excess of the direct costs of research.
- b. Before making such grant to the University, the Foundation shall be permitted to retain (a) the current operating costs of the Foundation and (b) a modest reserve for contingencies. The amount of the indirect expense money to be retained for these purposes will be calculated and presented in budget form by the Foundation at the beginning of each fiscal year through the University Administration to the Board of Trustees for approval.
- c. The grant to the University shall be made by the Foundation to the University not later than one month following the close of each quarter, on the basis of the record for that quarter.
- d. The effective date for this action shall be July 1, 1960.
- e. Whenever a change in operating conditions requires, the financial details of this agreement shall be subject to a review. In any event, such review shall be made not less often than once a year.

XII. REPORTS (continued)

F. Reports from the Office of Business and Finance (continued)

5. Proposal for the Handling of Overhead Charges Collected by the Research Foundation on Contract Research (continued)

- f. The Board of Trustees shall assume control of all funds thus granted and the proper and prudent safeguarding and expenditure thereof.

Upon motion of Mr. Loop, seconded by Mr. Patton, Vice President Heimberger, as Chairman of the Board of Directors of the Research Foundation, be and is hereby authorized to request the Board of Directors of the Research Foundation to amend its action taken on July 15, 1953 as proposed by Vice President Carson.

6. Establishment of Treasurer Research Account and Authorization to Deposit Funds in University Treasurer Subaccounts

President Fawcett recommended that if and when the Board of Directors of the Research Foundation act favorably on the preceding proposal, all grant and/or indirect expense monies due and currently payable to the University from the Research Foundation be transferred to the University Treasurer Research Account hereby established, to be invested and expended upon approval of the Board of Trustees, with the following subaccounts established therein:

- a. Equipment Replacement Account, to replace equipment rendered obsolete or worn-out in the conduct of sponsored research.
- b. Building Remodeling and Expansion Account, to provide funds for necessary revisions in or additions to areas used for sponsored research.
- c. Special Projects Account, to be used to supplement other University funds where such supplementary appropriations are necessary in moving forward the program of the University. This account is intended primarily for capital improvements, capital improvements studies, and projects closely related thereto.
- d. Research Fellowships and Grants Account, to be used for making grants for research, including fellowships, upon recommendation by the President and approval of the Board.
- e. Self-Liquidating Projects Account, to be used for such projects as parking facilities, and other necessary additions and betterments which can repay the account on a suitable schedule.
- f. University Account, to be used for otherwise unclassified but well-justified needs, upon recommendation by the President.

September 8, 1961 meeting, Board of Trustees

XII. REPORTS (continued)

F. Reports from the Office of Business and Finance (continued)

6. Establishment of Treasurer Research Account and Authorization to Deposit Funds in University Treasurer Subaccounts (continued)

President Fawcett further recommended that, pursuant to the establishment of the University Treasurer Research Account, the Vice President, Business and Finance, be and is hereby instructed to deposit the following amounts in the subaccounts thereof as stated below:

a. Equipment Replacement	\$ 135,000.00
b. Building Remodeling and Expansion	120,000.00
c. Special Projects	100,000.00
d. Research Fellowships & Grants	250,000.00
e. Self-Liquidating Projects	300,000.00
f. University	332,827.45
Total	<u>\$1,237,827.45</u>

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendations were unanimously approved by roll call vote.

G. Report on Student Enrollment

Executive Dean Ronald Thompson briefly reviewed the status of student enrollment at The Ohio State University for the Autumn Quarter, 1961, and the enrollment projections for higher education in the state and nation.

Dr. Thompson stated that it is anticipated that the University will surpass its previous all time peak of 25,403 students reached in the fall of 1947 and that it is expected that the total enrollment for this autumn will reach approximately 26,000. In relation to long-range planning, Dr. Thompson stated that "It seems clearly evident that the number of 18 year olds will increase approximately 50 per cent between the years of 1963 and 1965, and that The Ohio State University should plan very soon whether or not it will attempt to accept its share of the increase in student enrollment."

Dr. Thompson distributed and commented briefly on a publication entitled, "Enrollment Projections for Higher Education 1961-1978," issued in September, 1961, by the American Association of Collegiate Registrars and Admissions Officers.

H. Report on Student Housing - Autumn Quarter 1961

Dr. John T. Bonner, Jr., Executive Dean, Student Relations, presented a brief summary of student housing. He disclosed that approximately 69 per cent of the student body are men and that the 31 per cent who are women is the largest relative percentage of coeds since World War II. He also stated that 32 per cent of the undergraduate women and 35 per cent of the undergraduate men attend the University from their homes.

Dr. Bonner pointed out that there was a net gain of 452 spaces in the men's residence halls, and 294 additional spaces in the women's residence halls. Because of these gains, there will be 2,723 men and 2,913 women in the University residence halls for the academic year, 1961-1962.

XII. REPORTS (continued)

H. Report on Student Housing - Autumn Quarter 1961 (continued)

Upon the request of Mr. Loop, Dr. Bonner agreed to send to each member of the Board copies of the priority system for the allocation of residence hall space to students. A complete copy of Dr. Bonner's report will be filed with the official records of the Board of Trustees.

I. Report from the Office of University Relations

Executive Director Frederick Stecker informed the Board that advance copies of the President's Annual Report will be available for distribution about October 15. The theme of this year's report is "Investment in Human Resources" and the content of the report is described in President Fawcett's message as follows:

This Report deals with the human products of The Ohio State University and their worth to the State of Ohio--the value received for funds invested. An effort has been made to present convincing evidence that investment in human resources has in the past and will continue in the future to be a major force, if not indeed the decisive factor, which determines the qualitative essence of our cherished civilization.

Mr. Stecker also distributed and commented briefly on the following two documents.

1. An article prepared by Professor James Pollard, University Historian, dealing with the Land-Grant Act and the development of The Ohio State University.
2. An outline of the major functions, activities, and services performed by the Office of University Relations.

J. Progress Report on the Campus Plan

Executive Director John Herrick presented a progress report on the Campus Plan and indicated that the final report of the consultants, Caudill, Rowlett and Scott would be available for distribution to the Board of Trustees not later than its November meeting.

In response to a question from the Chairman of the Board, Dr. Herrick indicated that the Expressway Coordinator for the City of Columbus expects an early completion of the engineering study concerning the feasibility of relocating the Olentangy River Road. Upon completion of this study, it will be brought to the attention of the Board.

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September 8, 1961 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, October 6, 1961, at the Ohio Agricultural Experiment Station, Wooster, Ohio, at 9:30 a.m.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-THIRD MEETING
OF THE BOARD OF TRUSTEES

Wooster, Ohio, October 6, 1961

The Board of Trustees met Friday, October 6, 1961, at the Ohio Agricultural Experiment Station, Wooster, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATION

A. University Traffic and Parking

Since the Commission on Traffic and Parking serves in an advisory capacity, makes such studies as may be required and serves as an appeal board for the faculty and non-faculty staff, it is necessary to revise Section 5 of the University's Traffic and Parking Plan as approved by the Board of Trustees on November 8, 1957, in order to detach these functions from the administration of the traffic and parking system.

It is therefore recommended that the membership of the Commission on Traffic and Parking be limited to the following-named persons: Executive Dean, Special Services, Chairman; Executive Director, University Relations; a representative of the Vice President, Business and Finance; three faculty members appointed by the President--one for a one-year term, one for a two-year term, one for a three-year term with the understanding that each subsequent faculty appointment be for a three-year term.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation for membership of the Commission on Traffic and Parking was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the September 8, 1961 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Promotion, Leaves of Absence Without Salary, and Emeritus Titles:

A. Appointments

G. Robert Holsinger, Jr., Dean, Part-Time and Continuing Education, effective October 1, 1961, at a salary of \$14,568.00 per annum.

Gilbert Coddington, Associate Professor, School of Architecture and Landscape Architecture, effective October 1, 1961, at a salary of \$9,168.00 per annum.

Edward J. Furst, Associate Professor, Psychology, effective October 1, 1961, at a salary of \$9,168.00 per annum.

George R. L. Gaughran, Associate Professor, Anatomy, effective October 1, 1961, at a salary of \$9,168.00 per annum.

October 6, 1961 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Promotion

Bernard J. Lachner, from Associate Administrator of the University Hospital, at a salary of \$15,672.00 per annum, to Assistant Dean, College of Medicine and Associate Administrator of University Hospital, at a salary of \$16,872.00 per annum, effective October 1, 1961.

C. Leaves of Absence Without Salary

Irene J. Netz, Assistant Professor (Extension Nutritionist), Agricultural Extension Service, October 1, 1961 through December 31, 1961.

Donald D. Harper, Instructor, Physical Education for Men, effective October 1, 1961. (Military Leave)

Don M. Mortensen, Instructor (Assistant Extension Editor, Graphic Arts), Agricultural Extension Service, effective November 1, 1961. (Military Leave)

Paul L. Wright, Extension Instructor (County Extension Agent, 4-H) Clinton County, Agricultural Extension Service, effective September 16, 1961. (Military Leave)

Donald E. Yett, Instructor, Economics, October 1, 1961 through September 30, 1962.

D. Emeritus Titles

Wilda M. Rosebrook, Psychology, with the title Professor Emeritus, effective October 1, 1961.

Margaret H. Kurbatov, Chemistry, with the title Associate Professor Emeritus, effective July 1, 1961.

Upon motion of Mr. Patton, seconded by Mr. Loop, the Appointments, Promotion, Leaves of Absence Without Salary, Emeritus Titles and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

It is recommended that the research agreements heretofore entered into between The Ohio State University and The Ohio State University Research Foundation setting up the following projects be reported to the Board of Trustees for information and record:

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Excitation and Inhibition in the Vertebrate Retina (to be known as National Institutes of Health Project No. 782 - Ext. #4 - Institute for Research in Vision).
Gross Value - \$25,609.00.
- b. Commander, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for an investigation of Behavior of Solids in Alternating and Constant Magnetic Fields (to be known as Air Force Office of Scientific Research Project No. 801 - Sup. #5 - Department of Physics and Astronomy).
Gross Value - \$20,000.00.
- c. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Research on the Production of Clinical Radiographs by Means of Compact, Low-Energy and High-Intensity Radioactive Sources (to be known as Office of Naval Research Project No. 834 - Amend. #5 - College of Dentistry and Department of Physics and Astronomy).
Gross Value - \$13,500.00.
- d. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Physiological and Pathological Effects of Vibration (to be known as National Institutes of Health Project No. 862 - Ext. #3 - Department of Preventive Medicine).
Gross Value - \$122,705.00.
- e. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for An Investigation of ORNITHOGALUM UMBELLATUM (to be known as National Institutes of Health Project No. 867 - Ext. #3 - College of Pharmacy).
Gross Value - \$9,382.00.
- f. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Influence of Antibiotic Feeding on Poultry Products (to be known as National Institutes of Health Project No. 871 - Ext. #3 - Department of Microbiology).
Gross Value - \$16,899.00.
- g. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis (to be known as Aeronautical Systems Division, WPAFB, Ohio Project No. 930 - Mod. #8 - OSURF).
Gross Value - \$30,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- h. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Phase Equilibria Between Boron Oxides and Refractory Oxides, Including Silicon and Aluminum Oxides (to be known as Aeronautical Systems Division, WPAFB, Ohio Project No. 931 - Mod. #7 - Department of Mineralogy).
Gross Value - \$10,000.00.
- i. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Mapping Renal Blood Flow (to be known as National Institutes of Health Project No. 987 - Ext. #2 - College of Medicine).
Gross Value - \$9,381.00.
- j. Commander, Air Force, Office of Scientific Research, Washington 25, D. C., for an investigation of Personality Factors in Motivation (to be known as Air Force Office of Scientific Research Project No. 1007 - Sup. #2 - Department of Psychology).
Gross Value - \$34,335.00.
- k. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Electron Properties of Chlorophyll Films (to be known as National Institutes of Health Project No. 1017 - Ext. #2 - Department of Chemistry).
Gross Value - \$10,925.00.
- l. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Fractionation Studies on Nondialyzable Materials of Human Urine (to be known as National Institutes of Health Project No. 1023 - Ext. #2 - Department of Physiological Chemistry and Pharmacology).
Gross Value - \$11,520.00.
- m. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Cardiac Output and Organ Blood Flow in Shock (to be known as National Institutes of Health Project No. 1024 - Ext. #2 - Department of Physiology).
Gross Value - \$18,587.00.
- n. Headquarters, Rome Air Development Center, Air Force Systems Command, Griffiss Air Force Base, New York, for High Gain Antenna Realization and Tracking Study (to be known as Rome Air Development Center Project No. 1072 - Sup. #4 - Department of Electrical Engineering).
Gross Value - \$60,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- o. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Biogenesis of Oligosaccharides Containing Galactose (to be known as National Institutes of Health Project No. 1165 - Ext. #1 - Department of Agricultural Biochemistry). Gross Value - \$11,368.00.
- p. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Effect of Antimetabolites on the Chick Embryo (to be known as National Institutes of Health Project No. 1168 - Ext. #1 - Department of Poultry Science). Gross Value - \$13,929.00.
- q. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of The Effect of Parathyroid Hormone on Pancreatitis in Experimental Animals (to be known as National Institutes of Health Project No. 1171 - Ext. #1 - Department of Surgery). Gross Value - \$14,843.00.
- r. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Hormonal Regulations of Cellular Processes (to be known as National Institutes of Health Project No. 1172 - Ext. #1 - Department of Agricultural Biochemistry). Gross Value - \$14,432.00.
- s. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Renal Glomerular Lesions Produced by Pituitary Diabetes (to be known as National Institutes of Health Project No. 1173 - Ext. #1 - Department of Pathology). Gross Value - \$2,903.00.
- t. Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, California, for an investigation of Surface Electromagnetic Reflection Characteristics (to be known as Jet Propulsion Laboratory, CIT Project No. 1179 - Mod. #1 - Department of Electrical Engineering). Gross Value - \$10,000.00.
- u. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Synthesis of New Heterocyclic Systems (to be known as National Institutes of Health Project No. 1182 - Ext. #1 - Department of Chemistry). Gross Value - \$15,192.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- v. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Chemical Reactions of Coordinated Functional Groups (to be known as National Institutes of Health Project No. 1185 - Ext. #1 - Department of Chemistry).
Gross Value - \$15,495.00.
- w. Headquarters, U. S. Army Medical Research & Development Command, Office of the Surgeon General, Washington 25, D. C., for an investigation of Carbohydrate Derivatives for Protection from Radiation Damage (to be known as U. S. Army Medical Research & Development Command Project No. 1187 - Mod. #2 - Department of Chemistry).
Gross Value - \$24,750.00.
- x. Cornell Aeronautical Laboratory, Inc., Cornell University, P.O. Box 235, Buffalo 21, New York, for an investigation of Hypersonic Wind Tunnel Diffusers (to be known as Cornell Aeronautical Laboratory, Inc. Project No. 1268 - Amend. #2 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$4,820.00.
- y. Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Research and Services to Further Develop Curricula and Present Courses of Instruction, Advanced Logistics Course, and Air Materiel Command Logistics Education Program (to be known as Institute of Technology, WPAFB, Ohio Project No. 1343 - New - Defense Management Laboratory).
Gross Value - \$590,547.00.
- z. National Science Foundation, Washington 25, D. C., for Ecological Survey of Soil Anthropods in Relation to Microenvironment, Mirny Station, Antarctica (to be known as National Science Foundation Project No. 1345 - New - Institute of Polar Studies).
Gross Value - \$43,387.00.
- aa. National Science Foundation, Washington 25, D. C., for an investigation of Condensed Cyclobutane Aromatic Compounds (to be known as National Science Foundation Project No. 1348 - New - Department of Chemistry).
Gross Value - \$8,800.00.
- bb. National Science Foundation, Washington 25, D. C., for an investigation of Relation of Tissue Differentiation to Rates of Entrance and Translocation of Tritiated Water and Radioactive Isotopes in Roots (to be known as National Science Foundation Project No. 1349 - New - Department of Botany and Plant Pathology).
Gross Value - \$34,200.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- cc. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Effects of Bone-conducted Sidetone on Stuttering (to be known as National Institutes of Health Project No. 1350 - New - Department of Speech).
Gross Value - \$19,189.00.
- dd. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Serum Enzymes in Minimal and Manifest Liver Toxicity (to be known as National Institutes of Health Project No. 1351 - New - Department of Preventive Medicine).
Gross Value - \$14,393.00.
- ee. National Science Foundation, Washington 25, D. C., in Support of the Purchase of Nuclear Magnetic Resonance Spectrometer Accessories (to be known as National Science Foundation Project No. 1352 - New - Department of Chemistry).
Gross Value - \$5,500.00.
- ff. U. S. Army, Chemical Corps Biological Laboratories, Fort Detrick, Frederick, Maryland, for Fundamental Studies Concerning Eggs, Larvae, and Adults of Aedes segypti (L.) and Aedes triseriatus (Say) (to be known as Army Chemical Corps Biological Laboratories Project No. 1354 - New - Department of Zoology and Entomology).
Gross Value - \$15,000.00.
- gg. Commanding Officer, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an investigation of Stabilized Carbanions (to be known as U. S. Army Research Office (Durham) Project No. 1355 - New - Department of Chemistry).
Gross Value - \$16,900.00.
- hh. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Effects of Viruses on Germfree Dogs and Cats (to be known as National Institutes of Health Project No. 1356 - New - Department of Veterinary Pathology).
Gross Value - \$41,144.00.
- ii. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Study of Passenger Health Problems in Jet Air Travel (to be known as National Institutes of Health Project No. 1357 - New - Department of Preventive Medicine).
Gross Value - \$33,916.00.

October 6, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- jj. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of The Use of Benzimidazoles As Food Additives (to be known as National Institutes of Health Project No. 1360 - New - Department of Poultry Science).
Gross Value - \$15,774.00.
- kk. National Science Foundation, Washington 25, D. C., for an investigation of Ecological and Floristic Investigations of Antarctic Lichens (to be known as National Science Foundation Project No. 1361 - New - Institute of Polar Studies).
Gross Value - \$16,676.00.
- ll. National Science Foundation, Washington 25, D. C., for Analysis of Antarctic Micrometeorological Data (to be known as National Science Foundation Project No. 1362 - New - Institute of Polar Studies).
Gross Value - \$7,902.00.
- mm. National Science Foundation, Washington 25, D. C., for Analysis of Density Profiles of the Firn and Ice in Antarctica During the IGY-IGC 1959 Program (to be known as National Science Foundation Project No. 1363 - New - Institute of Polar Studies).
Gross Value - \$14,905.00.
- nn. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Experimental Portal Hypertension (to be known as National Institutes of Health Project No. 1364 - New - Department of Surgery).
Gross Value - \$9,775.00.
- oo. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Physiology of Vascular Smooth Muscle (to be known as National Institutes of Health Project No. 1365 - New - Department of Physiology).
Gross Value - \$8,740.00.
- pp. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, United States Air Force, Washington 25, D. C., for an investigation of Reactions of Chlorocarbonium Ions (to be known as Air Force Office of Scientific Research Project No. 1368 - New - Department of Chemistry).
Gross Value - \$35,900.00.

October 6, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- qq. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies of Magnesium Ion Activated Milk Phosphatase (to be known as National Institutes of Health Project No. 1369 - New - Department of Dairy Technology).
Gross Value - \$4,140.00.

TOTAL - Government Contracts - Federal \$1,457,363.00

2. Industrial and Other Contracts

- a. Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of the Illumination Requirements for Roadway Visual Tasks (to be known as Illuminating Engineering Research Institute Project No. 872 - Sup. #4 - Institute for Research in Vision).
Gross Value - \$9,000.00.
- b. Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of Visual Performance and Illumination (to be known as Illuminating Engineering Research Institute Project No. 885 - Ext. #4 - Institute for Research in Vision).
Gross Value - \$18,000.00.
- c. The Ford Foundation, The Fund for the Advancement of Education, 477 Madison Avenue, New York 22, New York, for Greater Columbus Area ETV Project (to be known as The Ford Foundation Project No. 982 - Ext. #2 - Telecommunication Center).
Gross Value - \$31,000.00.
- d. The Institute of Paper Chemistry, Appleton, Wisconsin, for an investigation of The Properties of the Polymer-homologous Oligosaccharides of the Cellulose Series (to be known as The Institute of Paper Chemistry Project No. 1353 - New - Department of Chemistry).
Gross Value - \$44,925.00.
- e. Health Research, Inc., Roswell Park Division, 666 Elm Street, Buffalo 3, New York, for Lung Cancer Study (to be known as Health Research, Inc., Roswell Park Division Project No. 1358 - New - Department of Surgery).
Gross Value - \$4,040.00.
- f. Chas. Pfizer & Co., 235 East 42nd Street, New York 17, New York, for an investigation of The Effect of Certain Pharmaceuticals Upon Induced Nystagmus and Vertigo (to be known as Chas. Pfizer & Co., Inc. Project No. 1366 - New - Department of Preventive Medicine).
Gross Value - \$1,087.00.

October 6, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- g. The Midwest Program on Airborne Television Instruction, Memorial Center, Purdue University, Lafayette, Indiana, for Research and Evaluation on MPATI Telecasts, 1961-1962 (to be known as The Midwest Program on Airborne Television Instruction Project No. 1367 - New - Bureau of Educational Research and Service).
Gross Value - \$17,306.00.

TOTAL - Industrial and Other Contracts \$125,358.00

The foregoing fifty contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,582,721.00.

Upon motion of Mr. Ketner, seconded by Mr. Davis, the above contracts were unanimously approved.

B. The Report of the Research Contracts from the
Engineering Experiment Station

During the period from August 19, 1961 through September 21, 1961, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

- | | |
|--------------------|--|
| EES-170
Ext. #1 | Analysis of Continuous Skewed Slab Bridge Structures,
Ohio Department of Highways, Columbus, Ohio.
Gross Value - \$40,530.00. |
| EES-185
Ext. #1 | Study of Drying and Heating of Aggregate for Bituminous
Concrete, Bureau of Public Roads, U. S. Department of
Commerce, Washington 25, D. C.
Gross Value - \$25,000.00. |
| EES-196 | Terrain Investigation Techniques for Highway Engineers,
Ohio Department of Highways, Columbus, Ohio.
Gross Value - \$24,600.00. |
| EES-197 | Toxic Effects of Metallic Wastes on the Bacterial and
Biological Processes of Sewage Treatment, State of Ohio,
Department of Health, Columbus, Ohio.
Gross Value - \$28,000.00. |
| EES-198 | Development of Procedures for Evaluating Traffic Paints,
Ohio Department of Highways, Columbus, Ohio.
Gross Value - \$12,960.00. |

TOTAL - Government Research Contracts \$131,090.00

October 6, 1961 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts from the Engineering Experiment Station

2. Industrial Research Contract

EES-188 Tannery Waste Studies, The Sidney Tanning Company,
Ext. #1 Sidney, Ohio.
Gross Value - \$3,300.00.

The foregoing six contracts for research in the Engineering Experiment Station represent a gross income of \$134,390.00.

C. The Ohio State University and Children's Hospital - Teaching Program of the Department of Pediatrics, College of Medicine

It is recommended that the continuation of the agreement between The Ohio State University and Children's Hospital for the teaching program of the Department of Pediatrics, College of Medicine, 1961-1962, be approved and that an amount of \$25,800.00 be paid to Children's Hospital from Laboratory Pro-Rata Funds.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above agreement and authorization for the payment of \$25,800.00 to Children's Hospital was unanimously approved by roll call vote.

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IV. GIFTS

It is recommended that the following gifts be accepted for the University and the appreciation of the Board of Trustees be appropriately expressed:

A. Administered Through the Development Fund

1. \$5,000.00 for the Ben B. Beyer Scholarship Fund.

Ben B. Beyer Scholarship Fund

The Ben B. Beyer Scholarship Fund was established September 8, 1961, by a gift through the Development Fund from Ben B. Beyer. The principal is to be invested in accordance with Section 3335.12 G.C., the income to be used in the same manner and according to the same regulations as prescribed for The Ohio Association of Real Estate Boards Scholarship Fund.

Upon motion of Mr. Davis, seconded by Mr. Loop, the foregoing gift was accepted by unanimous vote.

October 6, 1961 meeting, Board of Trustees

IV. GIFTS (continued)

B. Report from The Ohio State University Development Fund

In August, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	885	\$ 17,709.52
Individuals, Other Than Alumni	38	1,723.80
Non-Profit Organizations	34	68,111.37
Business Concerns	22	34,845.00
	<u>979</u>	<u>\$122,389.69</u>

Of these gifts, 580 totaling \$5,348.15 were undesignated and 399 totaling \$117,041.54 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Remodeling Projects

It is recommended that \$30,000.00 be allocated from the General University Fund for small remodeling projects approved by the President and for which no state-appropriated funds are available.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation for allocation of funds was approved by unanimous roll call vote.

B. Equipment and Physical Facilities for Research Projects

It is recommended that \$10,000.00 be appropriated from the General University Fund to the Research Facilities Rotary 19603 for the emergency purchase or repair of equipment and the enlargement or rearrangement of space to provide continuation of current research projects, contracts which have been processed through the Research Foundation or the Business Office.

This is a renewal of Board actions of September 1, 1958 and November 6, 1959, which appropriated \$10,000.00 each year for the purposes indicated.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation for appropriation of funds was approved by unanimous roll call vote.

C. Construction of Office and Research Space on East Side of Stadium

It is recommended that an amount of \$88,000.00 be and hereby is appropriated from the University subaccount of the University Treasurer Research Account for the purpose of developing a framing plan, and a structure to provide floors, walls, and roof for the section of the Stadium essentially from Gate 20 to Gate 24 on the east side at the south end. This space will

October 6, 1961 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

C. Construction of Office and Research Space on East Side of Stadium (continued)

be very useful to the University for research purposes and other such office uses as may be required in the future. The proposed structure and wall and roof is simply an enclosure and will require additional contract work to make it habitable.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRA AND CREDIT ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case:

A. Remodel Robinson Laboratory

General Contract

It is recommended that the following changes be made:

1. Provide two 2 1/2" x 2" x 3/16" angles at the head of 43 C and D type windows; weld the outside angle to the existing lintel for attachment of the new window; and extend metal lath and plastering around these angles to finish the heads of windows on inside. Add \$263.00.
2. Fill the space behind the heating and air conditioning cabinets for 48 B and D type windows at second floor and raise marble window sill to top of cabinets. Add \$484.00.
3. Reinforce 30 roof rafters over the east side of Area 2 between columns. Add \$325.00.

Total addition \$1,072.00

Funds for this extra order will be provided from Account 704, H.B. 390.

B. Additional Library Stacks

Heating Contract

It is recommended that the 36" x 24" duct be extended to the face of a new metal partition behind the book shelves in the northeast corner of the closed carrel section on each of the two decks and relocate the existing air grills at the partitions.

Add \$ 107.00

Approval of this extra order is subject to the appropriation of funds by the Legislature.

October 6, 1961 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

C. Repairs of Showers, Baker Hall

General Contract

It is recommended that three new clamps be provided for the flashing collar at each floor drain in the shower stalls throughout the building. Add \$ 75.00

Funds will be provided for this order from Dormitory Revenues.

D. Repairs to Stadium Dormitories (Scholarship Dormitories, Phase V)

General Contract

It is recommended that Steelcraft hollow metal doors and frames be furnished in lieu of Williamsburg, Overly or Atlantic as required by the specifications because they are available at an earlier date. Deduct \$ 300.00

Electrical Contract

It is recommended that the existing conduit which interferes with new emergency exit at ramp on the north side of the second floor be relocated. Add \$ 308.00

Funds will be provided for these extra orders from Account 703, H.B. 390.

E. Remodel Hagerty Hall

Electrical Contract

It is recommended that the following changes be made:

1. Add four #3/0 RHW or THW feeder wires in new 2 1/2" conduit from basement switch-board to Panel 202. Add \$1,106.00.
 2. Omit a 1/0 feed wire from basement to Panel 202 in existing conduit. Deduct \$245.00.
 3. Omit cleaning or relamping fixtures. Deduct \$259.00.
 4. Omit rehangng 2 fixtures in Room 204. Deduct \$20.00.
- Net addition \$ 582.00

Approval of this extra order is subject to the appropriation of funds by the Legislature.

October 6, 1961 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

F. Addition to Fine Arts Building

General Contract

- a. It is recommended that 47 1/4 cu. yds. of additional excavation and additional concrete fill under footings be provided to reach solid bearings. Add \$1,546.00
- b. It is recommended that the following changes be made:
1. Provide additional reinforcing in columns and roof joists under the cooling tower for the air conditioning system. Add \$395.00.
 2. Relocate roof scuttle from entrance of Room 414, Faculty Lounge to Room 416, Men's Dressing Room. No change in cost.
 3. Provide a stainless steel kick plate behind ladder to roof scuttle. Add \$91.00.
 4. Provide decal lettering on doors of Men's and Women's Dressing Rooms. Add \$20.00.
 5. Provide Best cylinders on all locks in lieu of Lockwood cylinders. Add \$555.00.
- Total addition \$1,061.00

Approval of these extra orders is subject to the appropriation of funds by the Legislature.

G. Low Level Radiation Laboratory in McPherson Laboratory

General Contract

It is recommended that steel wire mesh wrapping be provided on 244 lineal feet of existing steel beams to provide a better bond between the beam and the new concrete used as beam encasement and structural support for a new concrete floor slab. Add \$ 553.39

Approval of this extra order is subject to the appropriation of funds by the Legislature.

H. Demolition and Removal of Selected Temporary Buildings

It is recommended that buildings at two locations be burned instead of demolished. Deduct \$ 500.00

Funds will be returned to Maintenance Account 200, H. B. 390.

October 6, 1961 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

I. Ice Rink, Phase II

General Contract

- a. It is recommended that the chain link fence around the Pavilion be omitted except for fencing and 3' gate at the cooling tower. Deduct \$1,404.00
- b. It is recommended that the following changes be made:
1. Provide an aluminum gravel stop clip installed over the present gravel stop and flashed into the roofing along the east side of the Warming House to receive future flashing when the fiber glass enclosure is installed around the upper part of the Pavilion. Add \$83.00.
 2. Install 16 ga., 4" x 6" aluminum angles, set in epoxy resin cement along three sides of the Zamboni Room. Add \$160.00.
- Total addition \$ 243.00

J. Ice Rink, Phase III

Heating and Ventilating Contract

It is recommended that a new 1 1/4" insulated copper water line and two new 1" hose bibbs, on the inside of the east wall, and one new 3/4" frostproof hose bibb on the outside of the east wall be installed. Add \$ 750.00

It is recommended that a new air intake fan be installed in the Equipment Room with new and revised duct work, shutter, screens, etc. Add \$1,130.00

Funds for these extra orders will be provided from Account 705, H.B. 390.

K. Improvements in Classrooms and Laboratories in Hamilton Hall

Plumbing Contract

It is recommended that the following changes be made:

1. Replace the portion of an existing 8" terra cotta sewer line which will be under the new areaway on the north side of the building with 8" cast iron pipe. Add \$322.00.

October 6, 1961 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

K. Improvements in Classrooms and Laboratories in Hamilton Hall (continued)

Plumbing Contract (continued)

2. Replace the portion of an existing 6" terra cotta sewer line which will be under the new cold rooms with 6" cast iron pipe. Add \$335.00.
- | | |
|----------------|-----------|
| Total addition | \$ 657.00 |
|----------------|-----------|

Electrical Contract

It is recommended that connections for four 115 volt exhaust fans in Rooms 406 and 408 be provided.

Add	\$ 480.00
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Approval of these extra orders is subject to the appropriation of funds by the Legislature.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of material and estimates of cost for the following projects be approved by the Board of Trustees:

A. Motor Truck Platform Scales for Power Plant

Funds will be provided for this project from the Mechanics Coal and Gas Account, H. B. 390.

B. Men's Housing #1 and #2 and Dining Facility

Funds for this project which at this stage includes Men's Housing #1 and #2 will be provided from Dormitory Construction Funds. The Dining Facility will be bid at a later date.

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above recommendations were unanimously approved and ratified by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if funds are made available by new appropriations or are presently available, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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October 6, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Maintenance Building No. 2 at Golf Course (Readvertised)

Bids were received on September 18, 1961 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (3 bids received)		
Ruscilli Construction Co. (Columbus)		
Base bid	\$21,662.00	\$24,000.00
Alt. G-1 Wall Insulation	1,800.00	2,500.00
Alt. G-2 Partition and Deck	2,058.50	3,500.00
Total	<u>\$25,520.50</u>	<u>\$30,000.00</u>
<u>Heating and Ventilating Contract</u> (3 bids received)		
Cols. Heating and Ventilating Co. (Cols.)		
Base bid	<u>\$ 1,995.00</u>	<u>\$ 2,500.00</u>
<u>Plumbing Contract</u> (4 bids received)		
Grif M. Lewis, Inc. (Columbus)		
Base bid	\$ 2,662.00	\$ 3,000.00
Alt. P-1 Fixtures and Additional Piping	2,144.00	2,500.00
Total	<u>\$ 4,806.00</u>	<u>\$ 5,500.00</u>
<u>Electrical Contract</u> (5 bids received)		
Eastmoor Electric Co., Inc. (Columbus)		
Base bid	\$ 1,410.00	\$ 2,000.00
Alt. E-1 Fixtures and Additional Wiring	1,555.00	2,000.00
Total	<u>\$ 2,965.00</u>	<u>\$ 4,000.00</u>
<u>Total all contracts</u>	<u>\$35,286.50</u>	<u>\$42,000.00</u>

Funds for this project will be provided from Athletic Department Revenue.

B. Infectious Diseases Laboratory

Bids were received on September 29, 1961 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (10 bids received)		
Modular Construction Co. (Columbus)		
Base bid	\$ 9,971.00	\$13,360.00
Alt. G-1 Site Improvement	1,799.00	1,640.00
Total	<u>\$11,770.00</u>	<u>\$15,000.00</u>

October 6, 1961 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Infectious Diseases Laboratory (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating and Ventilating Contract</u>		
(7 bids received)		
Kuempel Co. (Columbus)		
Base bid	\$ 6,864.00	\$ 7,700.00
<u>Plumbing Contract</u>		
(7 bids received)		
H. & G. Plumbing and Heating Co.		
(Columbus)		
Base bid	\$ 3,160.00	\$ 1,700.00
<u>Electrical Contract</u>		
(8 bids received)		
American Electric Works (Columbus)		
Base bid	\$ 6,600.00	\$11,100.00
<u>Total contracts</u>	<u>\$28,394.00</u>	<u>\$35,500.00</u>

Funds will be provided by a transfer of \$20,000.00 from the General University Fund and \$11,061.58 from the Research Foundation through a special project to an appropriate building account for this project.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above award of contracts was approved and the action of the Vice President, Business and Finance, ratified by roll call vote.

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IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 55 Approves the advertising for 10 days for the project "Infectious Diseases Laboratory".
- 56 Approves the expenditure of \$13,788.00 from Maintenance Funds to provide funds for the contract on the project "Repair and Pointing Stonework--Mershon Auditorium," to the low bidder.
- 57 Approves the expenditure of \$3,141.00 from Hospital Rotary to provide funds for the contract on the project "Resurfacing Exposed Concrete Walls and Canopies at University Hospital" to the low bidder.
- 59 Approves the transfer of \$48,750.00 from the General University Fund to Account 705, H.B. 390.
- 60 Approves the expenditure of \$48,750.00 to cover the cost of the contracts, architect fees, advertising, etc., for the project "Ice Rink, Phase III".

October 6, 1961 meeting, Board of Trustees

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

A. Controlling Board Approvals (continued)

- 62 Approves the expenditure of \$4,479.00 from Maintenance Funds to provide for the contract to the low bidder on the project "Installation of New Roof on Rehearsal Hall".
- 64 Approves the expenditure of \$21,501.00 from Maintenance Funds to provide for the contract to the low bidder on the project "Exterior Painting of University Buildings".
- 65 Approves the expenditure of \$57,800.00 from Maintenance Funds to provide for the contract to the low bidder on the project "Interior Patch Plastering and Painting of Eight Buildings".
- 66 Approves the expenditure of \$15,498.00 from Maintenance Funds to provide for the contract to the low bidder on the project "Wall Washing Six Buildings".

B. Emergency Board Approval

- 1 Allocates \$10,000.00 to restore the Sheep Barn to a useable condition from H. B. 390 and permits the University to contract with the firm of Garwick & Ross, Inc. in the amount of \$8,000.00 for the re-construction of that part of the barn which was damaged by fire.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Employment of Engineers as Consultants for Construction of Office and Research Space on East Side of Stadium

Barrett Associated Engineers, Limited, has developed a preliminary framing plan and structure to provide floors, walls, and roof for the section of the Stadium essentially from Gate 20 to Gate 24 on the east side at the south end. It is recommended that Barrett Associated Engineers be appointed to complete this work and to be consultants to the University Architect's Office throughout the construction period.

The fee for this work would be 8 per cent of the construction cost which is estimated to be \$79,200.00.

Funds are available in the University subaccount of the University Treasurer Research Account.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Professor Elaine Knowles Weaver, and, in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Elaine Knowles Weaver

The Board of Trustees expresses its sorrow at the death on September 26, 1961, of Elaine Knowles Weaver, Professor of Home Economics.

Dr. Weaver was born in Beverly, Nebraska, on October 27, 1906. She completed the requirements for the Bachelor of Science Degree at the University of Maryland in 1931, and the Master of Science and Doctor of Philosophy Degrees were earned at Cornell University in 1937 and 1944 respectively.

Her early professional experiences were varied and rich, contributing much to her depth of understanding of people and their needs, which was the key to her prestige as a teacher and the motivation of her research. She was a grade school teacher in Nebraska and taught high school home economics in Maryland. She served as a Home Demonstration Agent and later as Rural Resettlement Supervisor at the University of Maryland before becoming Home Management Specialist with the Cornell University Extension Service in 1937.

Dr. Weaver's career as a college teacher began in 1938. She served on the faculty of the College of Home Economics at Cornell University from that date through 1945. Prior to coming to The Ohio State University and the Ohio Agricultural Experiment Station in October 1947, she was Assistant Professor of Home Economics, Teachers College, Columbia University. At the time of her death she was Professor and Chairman of the Division of Housing, Equipment and Furnishings of the School of Home Economics. Research with the Ohio Agricultural Experiment Station from 1947 to 1961, extensive professional publications, her reputation as a competent teacher and consultant, and recognition as an authority in her field attracted graduate students from many states.

She was a member of many national honorary societies and professional associations in the fields of education and home economics. In 1950 she was the first alumnae to receive the "Award of Recognition for Teaching and Research in Home Economics" from the University of Maryland. In 1960 she was elected as a national honorary member of Phi Upsilon Omicron upon the recommendation of The Ohio State University Chapter.

Dr. Weaver was in constant demand as consultant and counselor to both industry and education. In recognition of her leadership, "The Elaine Knowles Weaver Fund to make financial contribution to worthy research or study in the field of home laundering" is being established by the American Home Laundry Manufacturers' Association of Chicago.

October 6, 1961 meeting, Board of Trustees

XI. RESOLUTION IN MEMORIAM (continued)

A. Elaine Knowles Weaver (continued)

In teaching and research her goal was to contribute to better management of time and energy in household work and to promote the design of appliances and work areas to expedite household activity in American homes. Research in progress at the time of her death analyzes the physiological responses of women of varying ages and physical types in selected household tasks.

Mrs. Weaver was truly a successful woman in that she achieved a satisfying home life with her husband, James Weaver, and sons James and John, as well as a highly productive career.

Elaine Knowles Weaver will long be remembered for her love of life, her creativity, humility, and the depth of her understanding of others. Her untimely death has saddened her many students and associates and is a deep loss to the profession. Friends, students, and professional associates are challenged to carry on the ideals which she so ably exemplified and inspired in others.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Sale of Property at 275 East Lane Avenue (Charles W. Foulk Property)

President Fawcett presented the following resolution.

WHEREAS, The Ohio State University was named beneficiary in the last will and testament of Charles W. Foulk; and

WHEREAS, The Ohio State University received title to real property known as 275 East Lane Avenue pursuant to Section XXI of said will and has held and administered the property pursuant to Section 3335.12 of the Revised Code of Ohio; and

WHEREAS, it is deemed to be in the best interest of The Ohio State University to sell said property:

NOW, THEREFORE, BE IT RESOLVED, that Gordon B. Carson, Treasurer, and John T. Mount, Secretary, are hereby directed to proceed with the sale of said property and authorized to execute the deed and all other documents and do all other things necessary to complete the transaction on behalf of the Board of Trustees of The Ohio State University. Net proceeds from the sale of the property shall be deposited into the Charles W. Foulk Memorial Fund and the income therefrom will be used in accordance with terms of the devise by which the property was received.

Upon motion of Mr. Patton, seconded by Mr. Davis, the foregoing resolution was adopted by unanimous roll call vote.

October 6, 1961 meeting, Board of Trustees

XII. REPORTS (continued)

B. Authorization to Open Bank Account in The City National Bank

President Fawcett presented the following resolution:

BE IT RESOLVED, that the Vice President and Treasurer of the University is authorized to open a bank account in the name of the University in The City National Bank of Columbus in which to maintain the University Treasurer Operating Fund, including the University Treasurer Research subaccounts and withdrawal from said bank account may be made by check signed on behalf of the University by the Vice President and Treasurer; and the Board of Trustees hereby adopt such form or forms of resolution (consistent with the foregoing) as may be required by said bank in order to open such accounts and provide for withdrawals therefrom.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

C. Report on Investment Portfolio

The report on the University's Investment Portfolio dated September 30, 1961, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Friday, November 10, 1961, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-FOURTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 10, 1961

The Board of Trustees met Friday, November 10, 1961, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. PERSONNEL CHANGES

It is recommended that all personnel changes since the October 6, 1961 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary and Emeritus Titles:

A. Appointments

Desmond L. Cook, Associate Professor, Bureau of Educational Research and Service, effective January 15, 1962, at a salary of \$12,168.00 per annum.

David E. Pullman, Editor, University Publications, effective December 1, 1961, at a salary of \$10,368.00 per annum.

B. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Roy F. Emerson, Instructor (County Extension Agent, 4-H) Geauga County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Alfred P. Jonard, Instructor (County Extension Agent, 4-H) Noble County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Robert M. Timmons, Instructor (County Extension Agent, 4-H) Preble County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

C. Leaves of Absence Without Salary

Foster R. Dulles, Professor, History, January 1, 1962 through March 31, 1962.

Nathan Lazar, Professor, Education, October 1, 1961 through September 30, 1962.

David Kettler, Assistant Professor, Political Science, October 1, 1961 through March 31, 1962.

D. Emeritus Titles

Lyle H. Barnes, Agricultural Extension Service, with the title Professor (Extension Economist, Farm Management) Emeritus, effective January 1, 1962.

November 10, 1961 meeting, Board of Trustees

I. PERSONNEL CHANGES (continued)

D. Emeritus Titles (continued)

Sheldon C. Robertson, Romance Languages, with the title Assistant Professor Emeritus, effective October 1, 1961.

Mary Alice Diehl, Agricultural Extension Service, with the title Instructor (County Extension Agent, Home Economics) Emeritus, effective January 1, 1962.

Upon motion of Mr. Patton, seconded by Mr. Allyn, the Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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II. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and
The Ohio State University Research Foundation

It is recommended that the research agreements heretofore entered into between The Ohio State University and The Ohio State University Research Foundation setting up the following projects be reported to the Board of Trustees for information and record:

1. Government Contracts - Federal

- a. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Mosquito Studies (to be known as National Institutes of Health Project No. 702 - Ext. #5 - Department of Zoology and Entomology).
Gross Value - \$13,800.00.
- b. Electronic Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for an investigation of Spectroscopy of the Far Infrared Region (to be known as Electronic Systems Division Project No. 843 - Sup. #4 - Department of Physics and Astronomy).
Gross Value - \$15,000.00.
- c. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Phospholipide Metabolism in Relation to Cell Division (to be known as National Institutes of Health Project No. 911 - Ext. #3 - Institute of Nutrition and Food Technology).
Gross Value - \$14,485.00.
- d. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an investigation of Voice Communication (to be known as Office of Naval Research Project No. 1002 - Amend. #2 - Department of Speech).
Gross Value - \$13,500.00.

II. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- e. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Lipid Metabolism: Absorption and Transport (to be known as National Institutes of Health Project No. 1033 - Ext. #2 - Department of Physiological Chemistry and Pharmacology).
Gross Value - \$14,465.00.
- f. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an investigation of Cerebral Blood Flow During Acceleration (to be known as Aeronautical Systems Division Project No. 1038 - Mod. #5 - Department of Physiology).
Gross Value - \$21,500.00.
- g. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of The Heterogeneity of Deoxyribonucleic Acids (DNA) (to be known as National Institutes of Health Project No. 1048 - Ext. #2 - Department of Chemistry).
Gross Value - \$17,135.00.
- h. Electronic Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for an Analysis of Global and Special Gravity Measurements (to be known as Electronic Systems Division Project No. 1058 - Mod. #3 - Department of Geodetic Science).
Gross Value - \$10,000.00.
- i. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Simulation Facility for Human Factors Research (to be known as Aeronautical Systems Division Project No. 1087 - Sup. #7 - Department of Psychology).
Gross Value - \$344,000.00.
- j. Headquarters, U. S. Army Medical Research and Development Command, Office of the Surgeon General, Washington 25, D. C., for A Study of the Metal Complexes of Polyfunctional 2-Aminothiols (to be known as U. S. Army, Office of the Surgeon General Project No. 1092 - Mod. #3 - Department of Chemistry).
Gross Value - \$13,000.00.
- k. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Study of Electromagnetic Window Dielectric Techniques (to be known as Aeronautical Systems Division Project No. 1180 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$40,000.00.

November 10, 1961 meeting, Board of Trustees

II. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

1. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Clinical Research Center (to be known as National Institutes of Health Project No. 1196 - Ext. #1 - Department of Medicine).
Gross Value - \$250,044.00.
- m. International Cooperation Administration, Washington 25, D. C., for Research, Develop and Evaluate Courses in Fundamentals of Supply Management for Foreign Participants and ICA Supply Advisors (to be known as International Cooperation Administration Project No. 1198 - Amend. #1 - Defense Management Center).
Gross Value - \$3,920.00.
- n. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Amino Acid Metabolism in Rheumatoid Diseases (to be known as National Institutes of Health Project No. 1210 - Ext. #1 - Department of Medicine).
Gross Value - \$35,075.00.
- o. U. S. Army Signal Supply Agency, Fort Monmouth Procurement Office, Fort Monmouth, N. J., for an investigation of Diffusion of Impurities into Silicon Through an Oxide Layer (to be known as U. S. Army Signal Supply Agency Project No. 1233 - Mod. #2 - Department of Electrical Engineering).
Gross Value - \$29,500.00.
- p. National Science Foundation, Washington 25, D. C., for an investigation of Condensed Cyclobutane Aromatic Compounds (to be known as National Science Foundation Project No. 1348 - Amend. #1 - Department of Chemistry).
Gross Value - \$65,000.00.
- q. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Comparative Study of the Autonomic Nervous System (to be known as National Institutes of Health Project No. 1370 - New - Department of Anatomy).
Gross Value - \$8,840.00.
- r. Commanding Officer, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an investigation of Reactions of Unsaturated Carbonium Ions (to be known as U. S. Army Research Office (Durham) Project No. 1371 - New - Department of Chemistry).
Gross Value - \$12,000.00.

II. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- s. National Science Foundation, Washington 25, D. C. , for Remodeling a Portion of McPherson Laboratory for a Radiochemistry Laboratory (to be known as National Science Foundation Project No. 1372 - New - Department of Chemistry).
Gross Value - \$55,000.00.
- t. National Science Foundation, Washington 25, D. C. , for A Quantitative Analysis of Possible Factors Contributing to Slope Form in Relation to Micro-Climate (to be known as National Science Foundation Project No. 1374 - New - Institute of Polar Studies).
Gross Value - \$4,440.00.
- u. National Science Foundation, Washington 25, D. C. , for an investigation of Comparative Genetics of the Deermouse and the Laboratory Mouse (to be known as National Science Foundation Project No. 1375 - New - Department of Zoology and Entomology).
Gross Value - \$8,300.00.
- v. National Science Foundation, Washington 25, D. C. , for an investigation of Radio Astronomy Using the 360-foot Radio Telescope (to be known as National Science Foundation Project No. 1376 - New - Department of Electrical Engineering).
Gross Value - \$51,800.00.
- w. National Aeronautics and Space Administration, George C. Marshall Space Flight Center, Huntsville, Alabama, for a study of Theory of the Shape and Gravity Field of the Moon (to be known as National Aeronautics and Space Administration Project No. 1377 - New - Department of Geodetic Science).
Gross Value - \$20,500.00.
- x. Sandia Corporation, P. O. Box 5800, Albuquerque, New Mexico, for an investigation of Theoretical Analysis of Three Generalized Coaxial Structures (to be known as Sandia Corporation Project No. 1378 - New - Department of Electrical Engineering).
Gross Value - \$4,900.00.
- y. National Science Foundation, Washington 25, D. C. , for an investigation of Response Strength to Elements of a Complex Stimulus (to be known as National Science Foundation Project No. 1381 - New - Department of Psychology).
Gross Value - \$61,000.00.
- z. Department of Health, Education & Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Improving Competence of Nursing Faculty in Research (to be known as National Institutes of Health Project No. 1384 - New - School of Nursing).
Gross Value - \$33,377.00.

II. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Study of Nurse Action in Relief of Pain (to be known as National Institutes of Health Project No. 1385 - New - School of Nursing).
Gross Value - \$38,024.00.

TOTAL - Government Contracts - Federal \$1,198,605.00

2. Industrial and Other Contracts

- a. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #29 - Department of Electrical Engineering).
Gross Value - \$800.00.
- b. Eastman Kodak Company, Apparatus and Optical Division, 400 Plymouth Avenue N., Rochester 4, New York, for an investigation of Stellar Background Problems (to be known as Eastman Kodak Company Project No. 1049 - C. N. #5 - Department of Physics and Astronomy).
Gross Value - \$3,000.00.

TOTAL - Industrial and Other Contracts \$3,800.00

The foregoing twenty-nine contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,202,405.00.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above contracts were unanimously approved.

B. The Report of the Research Contracts from the
Engineering Experiment Station

During the period from September 22, 1961 through October 27, 1961, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record:

1. Government Research Contracts

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|---------|--|
| EES 179 | Development of Improved Methods for Financial "Cash" |
| Ext. #1 | Forecasting for the Ohio Department of Highways, Ohio Department of Highways, Columbus 15, Ohio. |
| | Gross Value - \$2,625.00. |

November 10, 1961 meeting, Board of Trustees

II. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts from the Engineering Experiment Station

1. Government Research Contracts (continued)

EES 182 Preparation and Conduct of Curricula for the In-Service
Ext. #1 Training and Development of Personnel of the Ohio
Department of Highways, Ohio Department of Highways,
Columbus 15, Ohio.
Gross Value - \$3,960.00

TOTAL - Government Research Contracts \$6,585.00

2. Industrial Research Contracts

EES 167 Consultation on the Structures of Fibrous Crystals,
Ext. #2 Owens-Corning Fiberglas Corporation, P. O. Box 415,
Granville, Ohio.
Gross Value - \$12,000.00.

EES 199 The Dynamic Elastic Properties and Inelastic Response
of Asphaltic Concrete, National Bituminous Concrete
Association through The Ohio State University Develop-
ment Fund.
Gross Value - \$6,000.00.

TOTAL - Industrial Research Contracts \$18,000.00

The foregoing four contracts for research in the Engineering Experiment Station represent a gross income of \$24,585.00.

C. International Cooperation Administration Contract Amendment No. 6 (ICA-W-677)

Since July 16, 1956, The Ohio State University through its College of Education has been under contract with the International Cooperation Administration to provide technical and professional assistance to the Ministry of Education of the Government of India. Under this Contract No. ICA-W-677, the University has agreed to assist the Ministry of Education in India in the area of secondary education by:

1. Establishing 54 extension training centers for teachers of general and vocational subjects.
2. Helping to develop 26 demonstration high schools to be used as models for the States of India.
3. Producing curriculum materials and aids to be used with teachers in improving programs and methods.
4. Improving methods of examination and evaluation.

The University is now requested by the Ministry of Education through ICA to assist with the development of teacher education programs and to amend the Contract accordingly. This amendment will provide technical and professional assistance in:

II. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. International Cooperation Administration Contract Amendment No. 6 (ICA-W-677) (continued)

1. Planning the establishment of four regional teacher education colleges.
2. Planning the establishment of four model secondary schools connected with these colleges.
3. Training three teams of Indian participants for leadership positions in the various States of India and the Ministry of Education.
4. Advising the Ministry of Education on best practices in education with special reference to national and economic development.

This amendment and its budgets cover the fiscal years 1961-63. Amendment No. 6 sets forth the provision for sending professional staff members to India and bringing to the University personnel from India who will be involved in the development of the above teacher education programs.

It is recommended that the President be authorized to sign said Amendment No. 6 (ICA-W-677) for and on behalf of the Board of Trustees with the understanding that all costs for this program are to be covered by funds from the International Cooperation Administration.

Upon motion of Mr. Ketner, seconded by Mr. Allyn, Amendment No. 6 (ICA-W-677) was unanimously approved by roll call vote.

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III. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$449,200.00 granted by the National Science Foundation to the University for support of research entitled "Acquisition of a 5.5 Mev Van de Graaff Accelerator" under the direction of the Department of Physics and Astronomy, for a period of approximately two years, effective September 1, 1961. (Grant NSF-G-19695)
2. \$289,000.00 granted by the National Science Foundation to the University for support of an "Academic Year Institute for Secondary School and College Teachers of Science and Mathematics" under the direction of the Department of Education for the 1962-63 academic year. (NSF-G20134)
3. A gift of real estate located at 101 West Frambes Avenue, Columbus, Ohio, and appraised at \$9,000.00 from C. Russell and Mary Jane Thompson. The real estate is identified as Lot Number One Hundred and Fifteen (115) in R. P. Woodruff's Agricultural College Addition to the City of Columbus.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

November 10, 1961 meeting, Board of Trustees

III. GRANTS AND GIFTS (continued)

B. Report from The Ohio State University Development Fund

In September, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	395	\$ 6,705.60
Individuals, Other Than Alumni	32	7,699.42
Non-Profit Organizations	27	127,579.93
Business Concerns	23	35,485.00
	<u>477</u>	<u>\$177,469.95</u>

Of these gifts, 314 totaling \$2,981.61 were undesignated and 163 totaling \$174,488.34 were designated.

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IV. APPROPRIATION AND TRANSFER OF FUNDS

A. The Research Institute of Polar Studies

At the request of the Vice President, Instruction and Research, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$8,000.00 be appropriated from subaccount (b) of the Treasurer Research Account No. 19609 for the purpose of remodeling Rooms 101 and 104 of Mendenhall Laboratory for use by the Research Institute of Polar Studies.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Botany and Zoology Building, Remodeling and Expansion

General Contract

It is recommended that the following changes be made:

1. Provide piling and revised foundations in lieu of deep footings and foundations in the northwest portion of the North Wing. Deduct \$1,069.00.
2. Provide 20" x 22" louvers in 20 Type "U" doors to utility cabinet in pipe spaces. Add \$437.00.

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

A. Botany and Zoology Building, Remodeling and Expansion (continued)

General Contract (continued)

3. Provide a removable slab, 8'3" x 16" in four sections over Equipment Room S-190. Add \$392.00.
4. Provide a concrete areaway and steps at the north entrance to the existing Greenhouse. Add \$404.00. Net addition \$164.00

Approval is subject to the appropriation of funds by the Legislature.

B. Married Housing Project No. 2

Outside Services Contract

It is recommended that temporary caps for branch water lines to two old buildings in the Recreation Area be provided during demolition of these buildings and later disconnect and cap these branch lines at the main. Add \$ 85.00

Funds will be provided from Married Housing Project #2 Construction Account.

C. Additional Library Stacks in Main Library

Bookstack Contract

It is recommended that two coats of paint be applied to approximately 2,320 sq. ft. of exposed galvanized iron ducts, 250 sq. ft. of concrete columns, 275 lin. ft. of exposed pipe and conduit, and 175 lin. ft. of fin tube radiation on Decks #8 and 9. Add \$588.00

Approval is subject to the appropriation of funds by the Legislature.

D. Low Level Radiation Laboratory in McPherson Laboratory

Plumbing Contract

It is recommended that a form be provided in concrete for extension of an acid proof sump to floor level and a steel frame and cover be provided for access to sump. Add \$121.00

Approval is subject to the appropriation of funds by the Legislature.

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

E. Laboratory of Aviation Psychology Remodeling

Electrical Contract

It is recommended that two lighting fixtures be provided in Room 202A complete with wiring and lamps.

Add \$ 120.00

Heating and Ventilating Contract

It is recommended that the following changes be made:

1. Change the condenser head pressure control from damper type to valve type control. Deduct \$500.00.
2. Install an axial duct fan in the return air duct to provide more positive return of the proper proportion of recirculated air to the fan. Add \$821.00.

Net addition \$ 321.00

Funds will be provided from Account 711, H. B. 390.

F. Administration Building Remodeling, Phase III

General Contract

1. It is recommended that the following changes be made:
 - a. In lieu of patching asphalt tile floors in Rooms 308B, C, D and E, provide new asphalt tile floors. In lieu of vinyl cork tile in Room 308A, provide cork tile flooring. Add \$244.00.
 - b. In lieu of patching existing asphalt tile floor in Room 342, remove existing linoleum in north part of room, prepare floor as necessary and install asphalt tile on entire area. Add \$721.00.
 - c. In lieu of patching existing asphalt tile in Rooms 347C and D, provide new asphalt tile floors. Add \$297.00.

- d. Provide changes in bookcases and millwork in Rooms 308A, B, C, D and E. Add \$35.00.

Total addition \$1,297.00

2. It is recommended that wood shelving be provided in Room 308G.

Add \$ 50.00

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

F. Administration Building Remodeling, Phase III (continued)

General Contract (continued)

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| 3. | It is recommended that an acoustical ceiling be installed in Room 342 in lieu of a partial new ceiling in the south end of the room. | Add | \$ 979.00 |
| 4. | It is recommended that the following changes be made: | | |
| a. | Omit painting walls, radiators, pipes and base behind cabinets in Rooms 308A, B, C, D and E and stain and finish birch wood-work. Add \$49.00. | | |
| b. | Wash, touch-up and varnish existing trim in Rooms 308B, C, D, E and G; 310, 310A and B; 314, 314A and B. Add \$101.00. | | |
| c. | Paint walls and partitions in Rooms 310C and D and touch-up ceilings as required in Rooms 310 and 308G. Add \$183.00. | | |
| d. | Repair and touch-up paint on all wall areas damaged by moving operations in the 309 series of rooms. Add \$89.00. | | |
| e. | Apply three coats of paint on 12 round columns and capitals on second floor. Add \$314.00. | | |
| f. | Apply three coats of paint to two dri-wall ceiling beams and dri-wall adjacent to new acoustic ceilings on second floor. Add \$95.00. | | |
| g. | Paint walls, chair rail, concrete base and radiators, ceiling and walls of vault, and elevator vestibule of Room 342. Add \$563.00. | | |
| | | <u>Total addition</u> | <u>\$1,394.00</u> |
| 5. | It is recommended that asphalt tile flooring be provided in Rooms 347F, G and H in lieu of patching existing flooring. | Add | \$ 222.00 |

Electrical Contract

It is recommended that the following changes be made:

1. Provide 39 new recessed fluorescent fixtures in Room 342 in lieu of rehangng existing fixtures. Add \$3,111.00.

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

F. Administration Building Remodeling, Phase III (continued)

Electrical Contract (continued)

2. Provide 12 new recessed fluorescent light fixtures in Room 347D in lieu of rehangng existing fixtures. Add \$579.00.
 3. Provide a 30 amp. circuit and receptacle for Xerox machine in Room 347D. Add \$34.00.
 4. Provide two new convenience outlets and one new telephone outlet in Room 308 and provide closet light and switch and move receptacle for window air conditioner in Room 308A. Add \$108.00.
 5. Remove all surface raceway and outlets in Room 342 and reinstall after new flooring is in place. Add \$99.00.
 6. In Rooms 314, 342 and 347B install 7 new inserts in underfloor raceway, 3 new inserts and service fittings for duplex receptacles, 6 inserts and service fittings for telephone outlets, 95 feet of floor surface wireway and wire, 11 floor surface receptacles and 3 surface junction boxes. Add \$507.00.
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| <u>Total addition</u> | <u>\$4,438.00</u> |
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Funds will be provided in Account 715, H.B. 390.

G. Improvements in Classrooms and Laboratories in Hamilton Hall

General Contract

1. It is recommended that a mail box enclosure approximately 3'10" x 21'0" with a door and 600 metal mail boxes with combination locks be provided in the first floor lobby. Add \$4,500.00

Funds for this extra order will be provided from the University Hospital Rotary.

2. It is recommended that Room 401C be remodeled to provide a Dark Room and a Studio, the work to include new partitions, doors, frames, hardware, cabinets, millwork, light proofing new and existing work and painting. Add \$2,060.00

Funds for this extra order will be provided from University Hospital Rotary.

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

G. Improvements in Classrooms and Laboratories in Hamilton Hall (continued)

Heating and Ventilating Contract

1. It is recommended that temporary radiators be installed in five lecture rooms to provide heat until permanent heating and air conditioning units can be installed. Add \$ 364.00

Approval of this extra order is subject to the appropriation of funds by the Legislature.

2. It is recommended that air conditioning as specified be omitted for Rooms 414A and 414B. Deduct \$2,848.00.

It is recommended that air conditioning be provided in Laboratories 417, 418 and 419.
Add \$14,429.00. Net addition \$11,581.00

Funds will be provided from the University Hospital Rotary for this extra order.

Electrical Contract

1. It is recommended that new lighting, outlets, wiring and switches be provided for the new Dark Room and Studio. Add \$424.00.

It is recommended that electrical work be omitted for air conditioning Rooms 414A and 414B and electrical work be provided for air conditioning Laboratory Rooms 417, 418 and 419. Add \$106.00. Total addition \$ 530.00

Funds for this extra order will be provided from the University Hospital Rotary.

2. It is recommended that four 4 amp. , 115 volt outlets for portable TV mounts and one 30 amp. 115 volt outlet for TV camera be provided in Room 211. Add \$ 205.00

Funds for this extra order will be provided from the University Hospital Rotary.

Plumbing Contract

It is recommended that a drain line and an insulated water line for the new Dark Room be extended, a new floor drain provided, and connections made for a dark room sink and print washer. Add \$ 2,081.00

Funds will be provided from the University Hospital Rotary.

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

H. Institute of Vision, Phase II

General Contract

It is recommended that Vinyl Corlon flooring with heat sealed joints be provided in lieu of linoleum floor covering in Laboratory 17; that fill be provided under flooring to slope floors away from laboratory tables; and that the cove base be cemented to floor.

Add \$115.00

Laboratory Equipment Contract

It is recommended that grooves be cut for drainage in six soapstone table tops.

Add \$ 50.00

Heating and Ventilating Contract

It is recommended that the following changes be made:

1. Revise condenser water piping and add a 2 1/2" check valve. Add \$82.00.
2. Install three baffles in duct serving Laboratories 6 and 6A lined with acoustical insulation. Add \$40.00.

Total addition \$122.00

Funds will be provided from Account 706, H. B. 390.

I. Repair Stadium Dormitories (Scholarship Dormitories, Phase VI)

General Contract

1. It is recommended that the stucco surfaces be patched at the seven entrances on the west side of the Stadium to the Scholarship Dormitories and the School of Music Section and apply two coats of masonry paint on all stucco.

Add \$222.00

2. It is recommended that asphalt tile floors in Rooms 278B, 376, 272D and 370 and acoustic ceilings in Rooms 278B, 272D and 370 be provided.

Add \$555.00

Electrical Contract

It is recommended that four additional duplex outlets in Room 278B and four in Room 272D with conduit and wiring be provided.

Add \$145.00

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

I. Repair Stadium Dormitories (Scholarship Dormitories, Phase VI) (continued)

Heating and Ventilating Contract

It is recommended that the existing radiators in Rooms 370 and 376 be removed and install 11' of fin tube radiation with cover similar to Trane Series 44, the new radiators to be placed as close to windows as possible, reusing existing valves.

Add \$408.00

Funds will be provided from Account 709, H. B. 390.

J. Law Center Building

General Contract

It is recommended that the following changes be made:

1. Omission of mural on wallpaper over entire south wall of Room 109. Deduct \$245.00.
2. Additional gravel walk areas in the garden. Add \$92.00.
3. Provide an additional built-in bookcase unit in Room 106. Add \$281.00.
4. Provide a steel ladder for access to elevator pit. Add \$97.00.

Net addition \$225.00

Electrical Contract

It is recommended that the following changes be made:

1. Accept Alternate E-3 proposal for electric service to the Electrostatic Air Filter. Add \$88.00.
2. Accept Alternate E-4 proposal for electric service to one air conditioning compressor and condenser in lieu of dual service as specified. Deduct \$43.00.

Net addition \$ 45.00

Funds will be provided from Account 712, H. B. 390.

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

K. Dormitory "F" for Women

Electrical Contract

It is recommended that the following changes be made;

1. Change the location of the telephone conduit and outlets from the corridor wall of the bedroom next to the door to the pipe space at the end of the wardrobe units at the outside door. Deduct \$584.00.
2. Provide one additional lighting fixture, Type D-1, over mirrors in each of Rooms 202 and 203 and in similar rooms directly above on the 3rd through the 10th floors. Add \$484.00.
3. Omit 14 Type D-2 lighting fixtures over the shampoo basins in the Toilet Rooms. Deduct \$359.00. Net deduction \$459.00

Funds will be returned to the Dormitory Construction Fund.

L. Remodel Rehearsal Hall

General Contract

It is recommended that the following changes be made:

1. Install a 10" x 10" vision panel in Door #2 of Finishing Room with polished wire glass. Add \$16.00.
2. Drop footings for interior concrete block walls approximately 2'3" to solid bearing soil and provide additional labor and materials for increase in height of walls. Add \$208.00.
3. Increase length of tackboard with aluminum trim on west wall of Entry Hall. Add \$50.00.
4. Change design of new escutcheons because of delay in delivery of specified escutcheons. Deduct \$48.00. Net addition \$226.00

Approval is subject to the appropriation of funds by the Legislature.

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

M. Ice Rink, Phase III

General Contract

It is recommended that the following changes be made:

1. Paint all exposed areas of concrete floor in basement of Warming House, Locker Rooms, Toilet Rooms and Halls and also paint risers and exposed stringers of main stairs. Add \$175.00.
2. Paint new insulated water line to hose outlets, steel pipe railing at main stairs in Warming House and concrete walls at main stairs in basement of Warming House. Add \$143.00.
3. Install maximum size glass panel in dutch door at cashier's station. Add \$60.00.
4. Extend protective wire screen panels over dasher boards approximately 19'6" in front of Warming House for protection of glass panels and spectators. Add \$214.00.

Total addition \$592.00

Funds will be provided from Account 705, H.B. 390.

N. Installation of Capacitors in the Power Plant

It is recommended that electrical connections in the field be changed to meet specifications. Add \$458.00

Funds will be provided from Account 716, H.B. 390.

O. Repair Interior of Nine Refrigerators, University Hospital

It is recommended that the contractor for this project be granted an extension of completion date from October 27, 1961 to January 31, 1962, because of the University's inability to release more than one refrigerator at a time for repair.

P. Repairing the Air Conditioning and Ventilating Systems at Health Center Research Laboratory

It is recommended that the contractor for this project be granted an extension of completion date from October 15, 1961 to June 30, 1962, because the delay in receipt of materials caused the work to extend into the heating season and must now be delayed until spring.

November 10, 1961 meeting, Board of Trustees

V. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

Q. Remodel Robinson Laboratory

It is recommended that all contractors on this project be granted an extension of time for completion of the project from October 16, 1961 to November 30, 1961, because of the difficulty of scheduling housing for those areas which had to be relocated.

Upon motion of Mr. Allyn, seconded by Mr. Patton, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VI. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of material and estimates of cost for the following projects be approved by the Board of Trustees:

A. Derby Hall, University Bookstore Entrance

Funds for this project will be provided from a transfer from the University Bookstore Rotary to Account 707, H. B. 390.

B. Ohio Union, South Terrace Enclosure

Funds for this project will be provided from a transfer from the Student Facilities Fee Account to Account 701, H. B. 390.

C. Men's Housing #1 and #2 Dining Facility

Funds for this project will be provided from Dormitory Construction Fund.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendations were unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Veterinary Clinic Building, Remodel Room 16

Bids were received on October 6, 1961 and the award of contracts recommended to the lowest and best bidders as follows:

November 10, 1961 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

A. Veterinary Clinic Building, Remodel Room 16 (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received)		
Waller & Lund, Inc. (Cols.)		
Base bid	\$11,200.00	\$13,800.00
Alt. G-1 Wall Cabinets	1,430.00	1,600.00
Alt. G-2 Painting Interior	665.00	1,500.00
Alt. G-4 Plumbing for Equipment	300.00	350.00
Total	<u>\$13,595.00</u>	<u>\$17,250.00</u>
<u>Heating and Ventilating Contract</u>		
(2 bids received)		
The Kuempel Co. (Cols.)		
Base bid	<u>\$ 1,437.00</u>	<u>\$ 1,900.00</u>
<u>Electrical Contract</u>		
(5 bids received)		
Electric Power Equipment Co. (Cols.)		
Base bid	<u>\$ 4,171.00</u>	<u>\$ 4,820.00</u>
Total All Contracts	<u>\$19,203.00</u>	<u>\$23,970.00</u>

Funds for this project will be provided from Account 702, H.B. 390.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the above award of contracts was approved and the action of the Vice President, Business and Finance, ratified by roll call vote.

B. Men's Housing #1 and #2

WHEREAS The Ohio State University, pursuant to an advertisement for bids on the construction of the proposed Men's Housing #1 and #2 heretofore published on the 25th day of September, the 2nd day of October, the 9th day of October, the 16th day of October and the 1st day of November, did on the 30th day of October and the 8th day of November, 1961, at the Office of the Ohio Director of Public Works in Columbus, Ohio, receive bids for the construction of men's housing, said bids having been taken under advisement by the Director of Public Works and the Vice President, Business and Finance, of the University; and

WHEREAS the base bid of Baker & Coombs for general work, when decreased by the alternates taken as specified, to wit: Alternates G-5 and G-6, is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Tibbetts Plumbing and Heating Company for heating, ventilating and air conditioning work, when decreased by the alternates taken as specified, to wit: Alternates HVAC-3 and HVAC-4, is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Gesling Company for plumbing work, when decreased by the alternates taken as specified, to wit: Alternates P-3, P-4, and P-5 is the lowest and best bid submitted by any responsible bidder; and

November 10, 1961 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

B. Men's Housing #1 and #2 (continued)

WHEREAS the base bid of Gustav-Hirsch Organization, Inc. for electrical work is the lowest and best bid submitted by any responsible bidder:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(11 bids received)		
Baker & Coombs, Inc. (Cols.)		
Base bid	\$ 709,800.00	\$ 822,160.00
Alt. G-5 Omit Certain Acoustic Ceilings	(-) 5,000.00	(-) 11,100.00
Alt. G-6 Omit Plastic Wainscots	(-) 3,500.00	(-) 14,200.00
Total contract	<u>\$ 701,300.00</u>	<u>\$ 796,860.00</u>

Heating, Ventilating and Air Conditioning Contract

(3 bids received - readvertisement)		
Tibbetts Plumbing and Heating Company (Dayton)		
Base bid	\$ 197,770.00	\$ 205,000.00
Alt. HVAC-3 Omit Pipe Enclosures	(-) 2,140.00	(-) 1,000.00
Alt. HVAC-4 Revise Underground Conduit	(-) 5,400.00	(-) 5,000.00
Total contract	<u>\$ 190,230.00</u>	<u>\$ 199,000.00</u>

Plumbing Contract

(6 bids received - readvertisement)		
Gesling Co. (Lancaster)		
Base bid	\$ 135,000.00	\$ 141,250.00
Alt. P-3 Omit Branch Recirculating Lines	(-) 1,145.00	(-) 700.00
Alt. P-4 Omit Shower Mixing Valves	No change	(-) 10.00
Alt. P-5 Omit Pipe Insulation	(-) 2,695.00	(-) 2,000.00
Total contract	<u>\$ 131,160.00</u>	<u>\$ 138,540.00</u>

Electrical Contract

(8 bids received)		
Gustav-Hirsch Org., Inc. (Cols.)		
Base bid	\$ 92,740.00	\$ 113,260.00
Total All Contracts	<u>\$1,115,430.00</u>	<u>\$1,247,660.00</u>

NOW, THEREFORE, BE IT RESOLVED by The Ohio State University Board of Trustees:

That the contract for General Work in the amount of \$701,300.00 be awarded to Baker & Coombs, Inc.;

That the contract for Heating, Ventilating and Air Conditioning Work in the amount of \$190,230.00 be awarded to Tibbetts Plumbing and Heating Company;

That the contract for Plumbing Work in the amount of \$131,160.00 be awarded to Gesling Company;

November 10, 1961 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

B. Men's Housing #1 and #2 (continued)

That the contract for Electrical Work in the amount of \$92,740.00 be awarded to Gustav-Hirsch Org., Inc.; and

That these awards shall not be effective until the awardees have been notified in writing by the Secretary of The Ohio State University Board of Trustees of the award of the pertinent contract.

Upon motion of Mr. Ketner, seconded by Mr. Allyn, the above resolution was unanimously adopted by roll call vote.

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VIII. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 68 Authorizes the transfer of \$3,271.00 from Rotary 601 to Account 712 Law Center Building, H.B. 390.
- 69 Approves the expenditure of \$3,271.00 from Account 712 for extra orders on the contracts for the Law Center Building and releases such funds.
- 71 Authorizes the transfer from the Columbus Psychiatric Institute and Hospital funds in the amount of \$330,791.00 to The Ohio State University for the operation of the Institute and Hospital and funds in the amount of \$936,982.00 to the University Hospital for the care of psychiatric patients.
- 72 Approves the expenditure of \$48,500.00 for the award of contract, architect's fees, advertising, etc. notwithstanding the fact that the low bid is over the estimate of cost. Funds will be provided from Account 708, H.B. 390, for this project, Installation of Water Softening and Heating Equipment in Laundry.
- 73 Authorizes the transfer of \$48,500.00 from Rotary 601 to Account 708 Installation of Water Softening and Heating Equipment in Laundry, H.B. 390.
- 74 Authorizes the transfer of \$453.00 from Rotary 601 to Account 706 Institute of Research in Vision, H.B. 390.
- 75 Authorizes the transfer of \$1,339.00 from Rotary 601 to Account 704 Remodel Robinson Laboratory, H.B. 390, and releases these funds for expenditure for extra orders.
- 77 Authorizes the release without quarterly restriction of the appropriation in Special Purposes Research, Account 401, H.B. 390.

VIII. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

A. Controlling Board Approvals (continued)

- 78 Approves the award of contracts for the project "Infectious Diseases Laboratory" notwithstanding the fact that the plumbing bid is over the estimate of cost.
- 79 Authorizes the transfer of \$31,100.00 from Rotary 601 to Account 713 Infectious Diseases Laboratory, H. B. 390.
- 80 Approves the issuance of an extra order to Lockheed Aircraft Corporation in the amount of \$3,100.00 for additional work on the Reactor.
- 81 Authorizes the transfer of funds from the Ohio Rehabilitation Center in the amount of \$182,170.00 for personal service and maintenance to the University Hospital; \$30,420.00 for personal service to the University; and the balance of \$80,083.86 to the University Hospital Rotary.
- 83 Approves the expenditure of \$12,120.00 for the purchase of property at 179 West Frambes Avenue.
- 84 Approves the expenditure of \$13,500.00 for the purchase of 1607-1609 Hunter Avenue property.
- 85 Authorizes the transfer of \$7,100.00 from Rotary 601 to Account 702 Veterinary Clinic Building, Remodeling Room 16, H. B. 390.
- 86 Approves the expenditure of an additional \$7,100.00 to cover the costs of contracts, architect fees and other miscellaneous costs for the project "Veterinary Clinic Building, Remodel Room 16".
- 87 Approves the expenditure of \$2,607.00 for extra orders on the project "Addition to Fine Arts Building".
- 88 Approves the expenditure of \$3,118.00 for extra orders on the project "Botany and Zoology Building, Remodeling and Expansion".
- 89 Approves the expenditure of \$5,095.00 for extra orders on the project "Addition to Campbell Hall".
- 90 Authorizes the transfer and release of \$1,517.27 from Rotary 601 to Account 705 Ice Rink, H. B. 390.
- 91 Approves the expenditure of \$1,130.00 for extra orders on the project "Ice Rink, Phase III".
- 92 Authorizes the transfer of \$1,072.00 from Rotary 601 to Account 704 Remodel Robinson Laboratory, H. B. 390.
- 93 Approves the expenditure of \$1,072.00 for extra orders on the project "Remodel Robinson Laboratory".

November 10, 1961 meeting, Board of Trustees

VIII. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

A. Controlling Board Approvals (continued)

- 94 Authorizes the transfer and release of \$88,000.00 from Rotary 601 to Account 714 Research Space East Side of Stadium, H.B. 390, and approves the expenditure of these funds for architect's fees, contracts and other miscellaneous expenses.
- 95 Authorizes the transfer of \$14,991.00 from Maintenance 200 to General Rotary 601.

B. Emergency Board Approvals

- 2 Authorizes the transfer of \$17,638.39 from the Emergency Board appropriations contained in H.B. 390 to Accounts 750, 751, 752, 753, 754, 755, 756, 757, 758, and 759 and releases these funds for expenditure for extra orders on these projects.
- 3 Authorizes the transfer of \$230,000.00 from the Emergency Board appropriations contained in H.B. 390 to Account 760 North Dormitory Land Purchase, H.B. 390, for the purchase of 16 parcels of land.
- 4 Authorizes the transfer of \$13,500.00 from the Emergency Board appropriations contained in H.B. 390 to Account 761 Lewis Estate Land Purchase, H.B. 390, for the purchase of 1607-09 Hunter Avenue.

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IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE

A. Demolition of University Buildings

Upon the recommendation of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all structures located at the following addresses be demolished as soon as practical:

1607-09 Hunter Avenue
2723 Kenny Road
1802 Olentangy River Road
2772 Case Road (except Pumphouse and Barn)

It is further recommended that authority be granted to demolish any and all structures on lots that must be cleared for the construction of new residence halls and related facilities north of Woodruff Avenue. The demolition in each case shall be scheduled at the discretion of the Vice President, Business and Finance, subject to approval by Cabinet.

All demolition of these buildings will be advertised in the usual manner.

Upon motion of Mr. Bairdon, seconded by Mr. Patton, the above recommendations were unanimously approved.

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Paul Frederick Butterfield be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mr. Butterfield, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount not less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

C. Van de Graaff Building Addition, Employment of Engineer

It is recommended that Ralph & Curl, Engineers, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost, and complete field supervision of construction.

The fee for this service will be 6 per cent of the contract cost of the mechanical work estimated to be \$57,000.00. Funds will be provided from Account 717, H. B. 390.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

D. Remodeling Area 800, Research Center, Employment of Architect

It is recommended that Fred E. Wright and Wm. W. Gilfillen, Architects, Columbus, Ohio, be employed to provide complete architectural and engineering services for the above project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and complete supervision of construction.

The fee for this service will be 10 per cent of the contract costs or an estimated \$1,775.00. Funds will be provided by a transfer from the General University Fund to a building account.

Upon motion of Mr. Ketner, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

E. Purchase of Buildings and Property, 171-173 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from H. Ralph Kagay and Sue M. Crumrine at a price of \$16,000.00:

November 10, 1961 meeting, Board of Trustees

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Purchase of Buildings and Property, 171-173 West Frambes Avenue (continued)

Property known as 171-173 West Frambes Avenue, being Lot #98, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Fund 11, H.B. 390, Account Code 760.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

F. Purchase of Buildings and Property, 183 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Alice M. Middleton at a price of \$11,000.00:

Property known as 183 West Frambes Avenue, being north 1/2 of Lot #95, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Fund 11, H.B. 390, Account Code 760.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

G. Purchase of Buildings and Property, 187 West Frambes Avenue and 2114 Neil Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Thomas H. Bennett at a price of \$14,500.00:

Property known as 187 West Frambes and 2114 Neil Avenue, being north 1/2 of Lot #94, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Fund 11, H.B. 390, Account Code 760.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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X. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Professor Lawrence D. Jones and Professor Emeritus Harry W. Vanneman and, in accordance with instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished to the families of the deceased.

X. RESOLUTIONS IN MEMORIAM

A. Lawrence Donald Jones

The Board of Trustees expresses its sorrow at the death on October 27, 1961, of Lawrence Donald Jones, Secretary of the University Faculty and of the Faculty Council.

Born in Noblesville, Indiana, he attended North High School in Columbus. In 1919 Mr. Jones enrolled in the College of Engineering of The Ohio State University and was graduated with the degree of Bachelor of Civil Engineering in 1923. Following a period of employment with the Pure Oil Company, he returned to the campus in 1924 as a member of the faculty--an appointment which was to culminate in thirty-seven years of devoted and effective service to this University. His teaching career in Engineering Drawing began in the role of Instructor, and the keen abilities and steadfast contributions of Mr. Jones assured his steady rise through the academic ranks; in 1943 he earned a promotion to the status of full Professor. Of him his Department Chairman said, "He was a good teacher." And in a University whose primary concern is to develop an educated people, there is no finer praise--there could be no tribute more genuine.

Professor Jones became Secretary of the College of Engineering in 1929, a post he held until 1958. During the early and crucial years of World War II he served the University and the nation as Assistant Director of the Engineering Science and Management War Training Program on the campus; he continued this service in yet another capacity through the years 1944-1946 as Coordinator of the Army Specialized Training Program at Ohio State.

In 1952 Professor Jones was called upon to serve as Acting Dean of the College of Engineering pending the selection of the permanent Dean in 1953. The next year he was appointed Associate Dean of the College, a position which he held with distinction for some five years. In 1958 Professor Jones became associated with the Office of the President of the University, where he continued the multiple responsibilities of his position as Secretary of the University Faculty and the Faculty Council, duties which he had carried since 1945. His incisive knowledge of procedure and organization contributed greatly to the important functions of these agencies.

Lawrence D. Jones was a member of Tau Beta Pi, The American Society for Engineering Education (on whose General Council he served in 1951-1953), Phi Eta Sigma, the Indianola Presbyterian Church, the Faculty Club (of which he was President in 1954), the Torch Club, and Delta Upsilon Fraternity.

Stated all too briefly, that is a summation of his life while at Ohio State, a resume which scarcely does justice to his impact upon the University; but what of the man himself? Lawrence Jones was a quiet and humble man who performed his duties unobtrusively, who exercised his inspiring leadership often behind the scenes without fanfare and without seeking personal aggrandizement. Although his closing years were clouded by illness, he remained steadfast and faithful to his duties. He believed firmly in the things that are right and good for the University in its ceaseless mission of public service and advancement; he was a sure source of support for those who relied upon him for help and strength.

November 10, 1961 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

A. Lawrence Donald Jones (continued)

Lawrence Jones had major interests which transcended his profession at the University. He was a serious student of the Civil War and of British and American history. Only the night before his death he noted the fact that he had just completed the reading of his 2,125th book dealing with these and a wide range of other subjects. His deep interest in genealogy resulted in productive inquiries about the heritage of the Royal families of England, France, and Spain and about the history of European peoples. Such varied and diverse interests are the mark of a man of broad horizons.

A devoted husband and father, Professor Jones is survived by his wife, Alice; two daughters, Mrs. Roy D. Williams and Mrs. Richard S. Winnard, both of Columbus; a son, Lawrence D. of Cambridge, Massachusetts; a sister, Helen M. Jones of Boston, Massachusetts; and three grandsons.

Excellent teacher, able administrator, friendly counselor, keen interpreter of his College and University--the manifold contributions of Lawrence D. Jones to the official life of our campus community shall live on to preserve and transmit with honor our cherished memory of him and his rich legacy.

It has been said that no man is really indispensable; but it can also be asserted with sincere conviction that Lawrence Jones came as close as is humanly possible to making himself indispensable on this campus. To paraphrase Emerson's dictum, a University is the lengthened shadow of many men. Some cast long shadows, some short ones, and others are in between. Some grow and others fade with the years. It is with solemn appreciation that we note the lengthening shadow cast by Lawrence D. Jones by virtue of the fruits of his long years of professional service invested in The Ohio State University. A bountiful yield has come from his labors. His epitaph might well be the familiar Scriptural accolade: "Well done, thou good and faithful servant." It is with profound sorrow, shared with admiration for his accomplishments and gratitude for his friendship, that we record his passing.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Harry Walter Vanneman

The Board of Trustees expresses its sorrow at the death on October 9, 1961, of Harry Walter Vanneman, Professor Emeritus of Law.

Mr. Vanneman was a Professor in the College of Law of The Ohio State University from 1928 to 1952 and Emeritus Professor since 1952. He had been Acting Dean of the College of Law in 1946-1947. Prior to this appointment to the faculty of The Ohio State University, he had taught at the University of South Dakota from 1911 to 1927 and at the University of Missouri during the year of 1927-1928. After his retirement in 1952, he accepted an appointment to the faculty of the College of Law of the University of Cincinnati, teaching there during the school years of 1953 and 1954 and retiring as Professor Emeritus in 1955, although he had been urged to stay longer

November 10, 1961 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

B. Harry Walter Vanneman (continued)

at that institution. He had also taught summer sessions at the Universities of Wisconsin (1928), Southern California (1932), Michigan (1935, 1936, 1950), and George Washington University (1945).

Born on July 23, 1882, at Sidell, Illinois, he was educated in the schools of Sidell and at the University of Illinois, where he obtained the degree of Bachelor of Arts in 1907 and Bachelor of Laws in 1909. From Yale University he received in 1910 the degree of Master of Laws and spent the summer of 1915 in graduate study in law at The University of Chicago. He was a member of the bars of Illinois, South Dakota, and Ohio and prior to becoming a teacher of law had practiced law with Franklin H. Boggs in Urbana, Illinois, from 1910 to 1911.

Harry Vanneman's principal areas of teaching were those of Equity, Restitution and Trusts, and his writings were chiefly in those areas. Some dozen articles of real importance were published in the Minnesota, Cincinnati, and Michigan "Law Reviews" and in the "Ohio State Law Journal." His work on the law of Trusts as it has been developed in Ohio appears in Volume 40, "Ohio Jurisprudence." This is a treatise of approximately 500 pages critically analyzing and reporting the law as he found it. He was also the author of the "Ohio Annotations to the Restatement of the Law of Restitution" and was one of the several advisers to the author of the "Ohio Annotations on the Law of Trusts." His writings on Ohio law have been of immense value to the lawyers of Ohio not only because of their accurate statement of what the law is but also for the constructive criticism offered for its improvement.

His fondness for the courses he taught evidenced itself in the enthusiasm with which he met the most intricate legal problems in his classes, which in turn inculcated in his students a like enthusiasm for the materials and often led them into research of their own beyond the call of duty. He was an adept artist in the teaching of the law through the casebook method and had few peers in casebook presentation in the classroom.

But Harry Vanneman's contributions did not terminate at the boundaries of the campus. His time was generously given to work for his community and his church. He served on the city's Council of Social Agencies and Recreation Commission, had been a member and chairman of the Columbus Recreation and Youth Services Council (a division of the then Community Chest), was a chairman of the Committee on American Citizenship of the Columbus Bar Association, and a member of Selective Service Board 18. These are but a few of his many contributions to the civic life of Columbus. In the First Congregational Church of Columbus, of which he was a member, he was a deacon for several years and for two important years was chairman of the Church Council. He was a delegate for two years to the General Council of the Congregational-Christian Church and occupied other important posts in furthering the interests of his church.

His warm-hearted, sympathetic approach to problems in the College of Law and to those personal problems of his colleagues will be long remembered. To him, the personal touch was as significant in his teaching as it was in his life outside the precincts of the University. His family life shared by his wife, Winifred Campbell Vanneman, whom he married in June of 1912 and who survives him, was marked by a similar warmth

X. RESOLUTIONS IN MEMORIAM (continued)

B. Harry Walter Vanneman (continued)

and generosity which their many friends came to experience through the Vanneman hospitality over the years. Here was a life lived to the fullest and noblest and one which has contributed immeasurably to the lives of the many students, colleagues, friends and acquaintances who were exposed to it.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XI. REPORTS

A. The Accountant's Report on the University Dormitory Revenue Bond Funds

Upon motion of Mr. Patton, seconded by Mr. Loop, and by unanimous vote, the Board of Trustees officially received the Accountant's Report on The Ohio State University Dormitory Revenue Bond Funds, including the financial statements as of June 30, 1961, which was submitted by Peat, Marwick, Mitchell & Co. The report was ordered to be filed with the official documents of the Board of Trustees.

B. Report of the Finance Committee

Mr. Patton presented the following report and resolutions concerning the financing of Federal Housing and Home Finance Agency's Project No. 33-CH-99(D).

1. Resolution Approving and Providing for the Execution of a Loan Agreement, and Numbered Contract No. H(402)-541, by and Between The Ohio State University and the United States of America

BE IT RESOLVED BY The Board of Trustees of The Ohio State University, as follows:

Section 1. The pending Loan Agreement and numbered Contract No. H(402)-541, and relating to the erection on the campus of The Ohio State University an educational institution of higher learning located in Columbus, Ohio, a project consisting of seven 4-story dormitories for approximately 1,444 men and women students; one dining facilities building for approximately 1,100 students; one dining facilities building for approximately 1,200 students; and an addition to an existing central dining facilities building for approximately 550 students by and between The Ohio State University and the United States of America, is hereby in all respects approved.

Section 2. The President and the Vice President, Business and Finance, and each of them are hereby authorized and directed to execute the said Loan Agreement in three counterparts on behalf of The Ohio State University and the Secretary of The Board of Trustees is hereby authorized

XI. REPORTS (continued)

B. Report of the Finance Committee (continued)

1. Resolution Approving and Providing for the Execution of a Loan Agreement, and Numbered Contract No. H(402)-541, by and Between The Ohio State University and the United States of America (continued)

and directed to impress and attest the official seal of The Ohio State University, on each such counterpart and to forward three such counterparts to the Housing and Home Finance Agency, together with such other documents relative to the approval and execution of such counterparts and to this Resolution as may be required by the Government.

2. Bond Resolution and Fourth Supplemental Trust Agreement

RESOLVED, that the Fourth Supplemental Trust Agreement, including the Bond Resolution for the University's Series H and J Dormitory Revenue Bonds, attached hereto and made a part of these minutes (see Appendix IV, page 208), is hereby approved, and the President of the University and the Chairman of the Board of Trustees are authorized to execute, acknowledge and deliver the same as may be appropriate in form so presented to this meeting, and the Secretary is authorized to seal and attest the same, all with such changes not unfavorable to the University as the officers acting shall deem advisable or shall be required by the rules or practices of the Housing and Home Finance Administration or to conform to the Loan Agreement approved at this meeting.

3. Room, Board and Rental Rates

WHEREAS, by Section 8 of the Bond Resolution adopted by the Board of Trustees of The Ohio State University, the University and its Board of Trustees, covenanted to adopt and maintain, so long as any of the Bonds authorized by the Bond Resolution were outstanding, such parietal rules, and charge and collect such rental rates and charges, from time to time, as may be necessary to assure such occupancy and use of, and receipts from, the dormitory facilities as will pay the cost of maintenance and operation and provide for the payment of principal and interest on the Bonds and other payments to special funds required by Section 9 of the Bond Resolution;

NOW, THEREFORE, BE IT RESOLVED, that the residents of the following residence hall, being financed in part by the Housing and Home Finance Agency be charged rental rates including board, to be effective as soon as the construction thereof is completed, pursuant to the following schedule (all quarterly rates are applicable to the Summer Quarter):

Residence Halls-North \$275 per quarter

FURTHER, RESOLVED, that the schedule of rental rates for other dormitory facilities of the University, previously adopted by the Board of Trustees, and now in effect, be and they hereby are confirmed and continued.

XI. REPORTS (continued)

B. Report of the Finance Committee (continued)

3. Room, Board and Rental Rates (continued)

FURTHER, RESOLVED, that the parietal rules governing use and occupancy of the University's dormitory facilities, previously adopted by the Board of Trustees, and now in effect, be and they hereby are confirmed.

4. Resolution Approving Designation of Special Counsel by Attorney General

RESOLVED, that the Board of Trustees of The Ohio State University hereby determines that it is necessary or appropriate in the interests of the University to obtain the legal services of Squire, Sanders and Dempsey in connection with the interim construction financing for the dormitory and dining hall project known as Housing and Home Finance Agency Project No. Ohio 33-CH-99(D), that the designation of said firm by the Attorney General of the State of Ohio (filed with the minutes of this meeting) to act as special counsel on the interim financing aspects of the Project is hereby approved, and that the compensation of said firm shall be reasonable compensation as determined by the University and approved by the Attorney General, plus reimbursement for actual and necessary expenses, including travel and telephone expenses, incurred in the performance of their duties as special counsel.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the above report and resolutions were unanimously adopted.

C. Report from the Engineering Experiment Station

Mr. Mount reported that the Annual Report for the Engineering Experiment Station had been received and the Chairman, Mr. Bricker, requested that copies of the Annual Report be mailed to each member of the Board of Trustees and that one copy be filed with the official records of the Board of Trustees.

D. Report on Investment Portfolio

The report on the University's Investment Portfolio dated October 31, 1961, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Friday, December 8, 1961, at the University at ten o'clock, and by unanimous agreement the date for the January meeting was set for the 12th at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX IV

THE OHIO STATE UNIVERSITY

DORMITORY REVENUE BONDS

SERIES H AND J

FOURTH SUPPLEMENTAL TRUST AGREEMENT

THE OHIO STATE UNIVERSITY
DORMITORY REVENUE BONDS
SERIES H AND J
FOURTH SUPPLEMENTAL TRUST AGREEMENT

THIS FOURTH SUPPLEMENTAL TRUST AGREEMENT, dated as of the 15th day of April, 1961 (herein called the "Supplement"), by and between The Ohio State University and its Board of Trustees (herein called the "University"), a state university of Ohio, and The Ohio National Bank of Columbus, Columbus, Ohio (herein called the "Trustee"), a corporation duly organized and existing under and by virtue of the laws of the United States, as Trustee under the Trust Agreement dated as of April 15, 1957 hereinafter mentioned.

WITNESSETH:

WHEREAS, the University, pursuant to the Original Bond Resolution, passed April 8, 1957, entered into a Trust Agreement dated as of April 15, 1957 with the Trustee and as of September 1, 1958, January 1, 1959 and October 1, 1960 respectively entered into First, Second and Third Supplemental Trust Agreements (herein, collectively with the First, Second and Third Supplements and this Supplement, called the "Trust Agreement") under which \$6,000,000 Series A and \$6,000,000 Series B Dormitory Revenue Bonds, dated April 15, 1957, \$2,330,000 Series C Dormitory Revenue Bonds, dated April 15, 1960, and \$2,030,000 Series D Dormitory Revenue Bonds, dated October 15, 1959, and \$3,700,000 Series E, \$1,200,000 Series F and \$1,350,000 Series G Dormitory Revenue Bonds have been authorized and have been or will be issued and under which Additional Bonds (herein called "Additional Bonds") are issuable on a parity with the Series A, B, C, D, E, F, and G Bonds and other Additional Bonds hereafter issued under certain conditions as provided in the Trust Agreement; and

WHEREAS, the University has, or will have, in all respects complied with the provisions of the Trust Agreement so as to be entitled to execute and to have

Fourth Supplemental Trust Agreement

authenticated and delivered by the Trustee Additional Bonds consisting of \$3,500,000 Series H Bonds and \$3,000,000 Series J Bonds; and

WHEREAS, the University further desires by this Supplement to provide for the issuance under the Trust Agreement of \$6,500,000 of Additional Bonds (herein called the Series H and J Bonds) as \$3,500,000 Dormitory Revenue Bonds, Series H, and \$3,000,000 Dormitory Revenue Bonds, Series J; and

WHEREAS, the Board of Trustees of the University has duly adopted on November 10, 1961, the Series H and J Bond Resolution providing for the Series H and J Bonds and this Supplement, which resolution, collectively with the Original Bond Resolution, is referred to as the Bond Resolution; and

WHEREAS, the Series H and J Resolution is as follows:

RESOLUTION

Providing for the issuance of \$6,500,000 The Ohio State University Series H and J Dormitory Revenue Bonds for the purpose of constructing and equipping seven four story Dormitories for men and women students, two Dining facilities buildings and an addition to an existing dining facilities building as Additional Parity Bonds pursuant to Bond Resolution adopted November 10, 1961 and Trust Agreement dated April 15, 1957.

WHEREAS, the Board of Trustees of The Ohio State University (herein called the Board) is vested with the government of The Ohio State University (herein called the University or, when the context admits, collectively with the Board called the University) by Section 3335.02 of the Revised Code of Ohio, with the right, under Section 3335.03 of said Revised Code, and as such Board, of suing and being sued, contracting and being contracted with, and of making and using a common seal and, under Section 3335.10 of said Revised Code, has general supervision of all lands, buildings and other property of the University and control of all expenses therefor; and

WHEREAS, by authority of Section 3345.07 of the Revised Code of Ohio, the Board is authorized to construct, equip, maintain and operate upon sites within, or in close proximity to, the campus of the University, buildings to be used as

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dormitories and as other suitable living quarters for students and members of the faculty and servants and wives and families of married students of said university and to pay for the same out of any funds in its possession derived from operation of any dormitories or other living quarters under its control or out of funds borrowed therefor and to borrow funds for such purpose upon such terms as said Board may deem proper and issue notes or other written instruments evidencing such indebtedness provided that such indebtedness shall not be a claim against or lien upon any property of the State or any property of or under the control of said Board excepting such parts of the receipts of the operation of any dormitories under control of the Board as it may pledge to secure the payment of such indebtedness and by authority of said Section 3345.07 the Board is also authorized to issue such notes or other obligations payable as aforesaid in order to retire or refund outstanding notes or other obligations matured or unmatured, to repay moneys previously borrowed or advanced under said section or to reimburse funds of the University for amounts used under said Section 3345.07; and

WHEREAS, the University determined by resolution adopted April 8, 1957 (herein called the Original Bond Resolution) to provide for the issuance of Dormitory Revenue Bonds and pursuant to the Trust Agreement dated April 15, 1957 with The Ohio National Bank of Columbus (herein, with the First, Second, Third and Fourth Supplements, called the Trust Agreement), to pledge the net income of all the dormitory facilities now or hereafter under control of the University, including the dining halls constituting part thereof, and to provide in said Trust Agreement for the issuance of such Bonds (herein called the Bonds) as from time to time authorized subject to the conditions contained in said Trust Agreement and by the Original Bond Resolution and the Trust Agreement provided for the sale of an initial issue of \$12,000,000 consisting of \$6,000,000 Series A Bonds and \$6,000,000 Series B Bonds (herein called the Series A and Series B Bonds) and for the issuance from time to time as authorized by the Board of additional Bonds (herein called Additional Bonds) on a parity with said initial series; and

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WHEREAS, there are presently outstanding \$5,845,000 principal amount of Series A Bonds and \$5,562,000 principal amount of Series B Bonds; and

WHEREAS, by the Second Supplemental Agreement provision was made for the issuance and sale of \$4,360,000 Additional Parity Bonds as \$2,330,000 Series C and \$2,030,000 Series D Bonds; and

WHEREAS, there are presently outstanding \$2,300,000 principal amount of Series C Bonds and \$2,000,000 principal amount of Series D Bonds; and

WHEREAS, by the Third Supplemental Trust Agreement provision was made for the issuance and sale of \$6,250,000 Additional Parity Bonds as \$3,700,000 Series E, \$1,200,000 Series F and \$1,350,000 Series G Bonds which are or will be outstanding; and

WHEREAS, the University has not pledged or encumbered the revenues from its dormitory facilities except as provided in the Trust Agreement; and

WHEREAS, the University has determined to sell a fourth issue of \$6,500,000 of Additional Bonds consisting of \$3,500,000 Series H Bonds, and \$3,000,000 Series J Bonds (herein called the Series H Bonds and the Series J Bonds, respectively) all as provided in the Trust Agreement; and

WHEREAS, the Board by the adoption of this resolution has determined and confirmed that it is necessary to provide additional dormitory accommodations and dining facilities located on or in close proximity to the campus of the University and, accordingly, hereby declares and determines that it is immediately necessary to construct and equip seven four story dormitories for approximately 1,444 men and women students and 28 proctors; one dining facilities building for approximately 1,100 students; one dining facilities building for approximately 1,200 students; and an addition to an existing central dining facilities building for approximately 550 students (said dormitory and dining hall facilities and all things incidental thereto being herein referred to as the Project); and

WHEREAS, said Project is to be constructed pursuant to plans approved by the Department of Public Works of Ohio, and prepared by the University Architect; and

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WHEREAS, the University has received estimates from its architect, and, accordingly, estimates the following as the costs of the Project

Cost of Construction, including Architectural and Engineering, Inspecting, Legal, Administrative and Construction Contingencies	\$5,762,000
Cost of Movable Equipment	500,000
Capitalized Interest	195,000
Miscellaneous Contingencies	<u>43,000</u>
Total	\$6,500,000

and

WHEREAS, the University has determined to borrow the funds to pay the foregoing costs, and to solicit proposals for the purchase of the \$3,500,000 Dormitory Revenue Bonds, Series H, by investment bankers or others to provide funds for movable equipment for, and for a portion of the other costs of, the Project and proposes to enter into a Loan Agreement with the United States acting through the Housing and Home Finance Administrator under which the United States would agree to purchase the \$3,000,000 Series J Bonds to provide funds for the costs of the Project other than movable equipment and costs not eligible for financing by the Housing and Home Finance Administrator.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University:

Section 1. Purpose of Series H and J Bonds. It is hereby determined to be necessary to issue \$6,500,000 of Dormitory Revenue Bonds of the University pursuant to Section 3345.07 of the Revised Code of Ohio and the Trust Agreement dated April 15, 1957 for the purpose of paying the costs of the Project and of all things incidental thereto or incidental to the financing thereof, including repayment of moneys previously borrowed or advanced for the Project or restoring amounts used for the Project from other funds of the University available for dormitory purposes. Said Bonds, together with the \$6,000,000 Series A Bonds, the \$6,000,000 Series B Bonds, the \$2,330,000 Series C Bonds, the \$2,030,000 Series D Bonds, the \$3,700,000 Series E Bonds, the

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\$1, 200, 000 Series F Bonds, the \$1, 350, 000 Series G Bonds and any other Additional Bonds issued pursuant to the Trust Agreement, shall be payable as provided in Section 9 of the Bond Resolution from the net income of all the dormitory facilities (including married student housing facilities) now or hereafter under the control of the Board (including dining halls), located on or in close proximity to the campus of the University and constructed, equipped, maintained and operated pursuant to said Section 3345.07 of the Revised Code of Ohio.

Section 2. Terms of Series H and J Bonds. Said \$6,500,000 of Dormitory Revenue Bonds shall be issued as \$3,500,000 Series H and \$3,000,000 Series J Bonds under this Resolution, the Original Bond Resolution, and the Trust Agreement, shall be entitled "The Ohio State University Dormitory Revenue Bonds", shall be dated as determined by the Fiscal Officer of the University and shall be issued as negotiable coupon bonds registrable as to principal, in the denomination of \$1,000, or as fully registered Bond or Bonds without coupons in denominations of \$1,000 or multiples thereof when and as requested by the Original Purchasers of such Bond or Bonds, shall be numbered as determined by a Fiscal Officer of the University, shall bear interest from their date, or from the last interest payment date preceding the date of issue, payable semi-annually on the fifteenth days of April and October of each year at the rates stipulated in its bid by the successful bidder and approved in writing by the President or Fiscal Officer of the University (or, in the case of Bonds purchased by the United States pursuant to Loan Agreement described below, at the rate specified in such Loan Agreement), and shall mature in the following amounts on October 15 of the following years:

<u>Year of Maturity</u>	<u>Series H Amount</u>	<u>Series J Amount</u>
1963	\$ 40,000	\$ 40,000
1964	40,000	40,000
1965	40,000	40,000
1966	40,000	40,000
1967	40,000	40,000
1968	50,000	50,000
1969	50,000	50,000
1970	50,000	50,000
1971	50,000	50,000

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<u>Year of Maturity</u>	<u>Series H Amount</u>	<u>Series J Amount</u>
1972	\$ 50,000	\$ 50,000
1973	60,000	50,000
1974	60,000	60,000
1975	60,000	60,000
1976	60,000	60,000
1977	70,000	60,000
1978	70,000	70,000
1979	70,000	70,000
1980	80,000	70,000
1981	80,000	70,000
1982	80,000	70,000
1983	90,000	80,000
1984	90,000	80,000
1985	100,000	80,000
1986	100,000	90,000
1987	100,000	90,000
1988	110,000	90,000
1989	110,000	100,000
1990	120,000	100,000
1991	120,000	100,000
1992	130,000	110,000
1993	140,000	110,000
1994	140,000	110,000
1995	150,000	120,000
1996	160,000	120,000
1997	160,000	130,000
1998	170,000	130,000
1999	180,000	130,000
2000	190,000	140,000

The principal and interest of the Series H and J Bonds shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, at the principal office of the Trustee under the Trust Agreement (said Trustee at the time of issuance of the Series H and J Bonds being The Ohio National Bank of Columbus, Columbus, Ohio), or, at the option of the holder, at the principal office of Morgan Guaranty Trust Company of New York, in the Borough of Manhattan, City and State of New York except that interest on fully registered bonds is payable by check as provided in the Trust Agreement, and principal on fully Registered Bonds may also be payable at such additional place or places, at the option of the holder as shall be designated by the Fiscal Officer of the University. The Series H and J Bonds maturing October 15, 1973 and thereafter are subject to call for redemption prior to

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maturity at the option of the Board on April 15, 1973 or on any interest payment date thereafter. Each such series shall be callable in the inverse order of the maturities of the Bonds of that series at par and accrued interest to the redemption date plus redemption premiums as follows:

- 4% if called April 15, 1973 to October 15, 1977, inclusive
- 3% if called April 15, 1978 to October 15, 1982, inclusive
- 2% if called April 15, 1983 to October 15, 1987, inclusive
- 1-1/2% if called April 15, 1988 to October 15, 1992, inclusive
- 0% if called thereafter.

If less than all the Series H or J Bonds of one maturity are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot conducted by the Trustee under the Trust Agreement. Such call for redemption shall be made by notice, specifying the numbers of the Series H or J Bonds to be called, published by the Trustee on behalf of the University once a week for two consecutive weeks in a financial newspaper of national circulation published in the English language in New York City and in an English language newspaper of general circulation in Columbus, Ohio, the first publication to be not more than forty (40) nor less than thirty (30) days prior to the date of redemption. Any bonds thus called for redemption and for the retirement of which funds are deposited with said Trustee as provided in the Trust Agreement on or before the redemption date shall cease to bear interest on said redemption date. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series H and J Bonds shall have such other terms and conditions and shall be issued, executed and delivered as provided by the applicable provisions of the Trust Agreement.

Section 3. Sale of Series H Bonds. The \$3,500,000 Series H Bonds shall be offered for sale, by solicitation of proposals from investment bankers and

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others or by advertisement or both, to the highest bidder based on the lowest net interest cost, in such manner and on such terms as determined by the President or the Fiscal Officer of the University.

Section 4. Sale of Series J Bonds. The \$3,000,000 Series J Bonds shall be advertised for sale, awarded, issued, authenticated and delivered pursuant to a Loan Agreement to be entered into with the United States of America acting through the Housing and Home Finance Administrator. The President of the University and the Secretary of the Board, and each of them, are authorized on behalf of the University to execute a Loan Agreement containing the standard terms of said Housing and Home Finance Administrator for loans to universities for dormitory construction with such changes and amendments as the officer acting shall deem necessary and not substantially unfavorable to the University, and said officers and each of them are authorized to take any and all action necessary to carry out such Loan Agreement. Any of said Series J Bonds awarded to the United States pursuant to said Loan Agreement shall be sold to the United States at par and accrued interest to the date of delivery. Said Series J Bonds shall be sold as provided in the Loan Agreement and issued at one time or from time to time to the Original Purchasers thereof upon written request of the Fiscal Officer of the University to the Trustee as provided in the Trust Agreement, provided that any Series J Bonds sold to the United States, acting through said Administrator, shall be issued at such time as shall be provided for in said Loan Agreement.

Section 5. Allocation of Proceeds of Series H and J Bonds. The proceeds from the sale of Series H and J Bonds shall be allocated and applied by the University as follows:

- (1) The portion representing accrued interest to the Debt Service Fund provided for in the original Trust Agreement to be held by the Trustee, and the portion representing premium above par paid to the University for such Bonds, to the Debt Service Reserve Fund so provided for.

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(2) From the proceeds of the Series H Bonds such amount as is verified by the fiscal officer of the University to be needed for the purchase of movable equipment for the project to the "Equipment Fund" hereby established to be held and applied to provide such movable equipment for the project in the same manner as the Equipment Fund provided for in the original Trust Agreement with respect to the Series A and B Bonds and any balance in the Equipment Fund not needed for such purposes shall be transferred to the Construction Fund.

(3) To the University the amounts necessary to reimburse the University for amounts expended by it on construction of the project prior to issuance of the Series H and J Bonds.

(4) The balance to the Construction Fund to be held by the Trustee to complete construction of the project and to pay all incidental expenses of the project and the financing thereof (including the repayment of any amounts borrowed by the University to pay project costs and interest thereon, capitalized interest, legal, engineering, and administrative expenses, and inspection costs, and all other Project Development costs under the Loan Agreement). After payment of all said project costs the balance in the Construction Fund shall be applied as follows: 6/13ths to retirement at par plus accrued interest in inverse order of maturity of Series J Bonds if any then held by the United States and the remaining portion not needed for such retirement of Series J Bonds shall be transferred to the Debt Service Reserve Fund.

No part of the proceeds of Series J Bonds sold to the United States acting through the Housing and Home Finance Agency shall be used to pay costs (including cost of movable equipment or fees of a financial advisor) which, under the rules, regulations or practices of the Housing and Home Finance Agency, may not be paid from proceeds of bonds purchased by the United States through that agency, and

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proceeds of Series J Bonds purchased by the United States as aforesaid shall be segregated in the Construction Fund to the extent necessary to effect the foregoing.

The Trustee shall apply said Construction Fund and Equipment Fund to the payment of such items as from time to time are requested in writing by a Fiscal Officer of the University. Such written request shall include a certification by such official that the amount to be paid from such Construction Fund or such Equipment Fund constitutes authorized payments from such fund under the foregoing provisions of this Section 5. If the payment is to be made with respect to an obligation under a construction contract relating to the Project, such written request shall further certify that such payment was certified as due under such contract by a qualified architect or engineer. If the payment is to be made from proceeds of the Series J Bonds sold to the United States acting through the Housing and Home Finance Administrator, then (1) said certificate shall certify that the costs to which such payment is to be applied constitute costs which may be paid from such proceeds under the rules, regulations and practices of the Housing and Home Finance Agency, and (2) if the United States so acting shall purchase any of the Series J Bonds, and so long as it shall hold any thereof, such payment shall be subject to such prior written approval of a representative of said agency as may be required in writing by said Administrator.

The Equipment Fund and the Construction Fund shall be invested by the Trustee in such direct obligations of the United States as shall be directed in writing by the President or a Fiscal Officer of the University, which writing shall designate maturities and amounts which, as nearly as practicable, would, through maturities, provide funds when needed to pay costs for which the respective funds have been established. Such investments and the proceeds of sale thereof shall constitute part of the fund from which the investment was made. Interest on such investments may be paid to the Dormitory Revenue Fund or applied to the purposes of the fund from which the investment was made as from time to time determined by a Fiscal Officer of the University. The said investments shall be sold, exchanged

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or collected from time to time as directed in writing by the President or a Fiscal Officer of the University and the Trustee shall be under no liability in connection with such investment, sale, exchange or collection thereof provided the directions of said officers are followed.

Section 6. Additional Bonds. (a) The Board shall have the right from time to time to issue Additional Bonds under the Trust Agreement if necessary to pay the costs of completing the Project or completing any projects for which Series H or J or additional Bonds, are issued. The Trustee shall authenticate and deliver such Bonds upon (but only upon) receipt of the documents required by Section 2.03 of the Trust Agreement. Nothing herein or in the Trust Agreement shall require any earnings coverage, or certificate with respect thereto, in connection with Additional Bonds issued for completion of a project.

(b) The Board shall also have the right from time to time to issue Additional Bonds under the Trust Agreement to provide funds for purposes authorized by Section 3345.07 of the Revised Code of Ohio, including construction and equipment by the University of buildings to be used as dormitories or as other living quarters or the refunding of outstanding bonds or notes issued under said Section 3345.07. The Trustee shall authenticate and deliver under the Trust Agreement Additional Bonds issued under this subdivision (b), if, (but only if), when such Additional Bonds are issued, the University shall have furnished to the Trustee in addition to the documents required by Section 2.03 of the Trust Agreement, a certificate of the President and the Fiscal Officer of the University, approved by the Board of Trustees, (1) showing that (a) the actual net income from the dormitory facilities of the University (excluding net income from any dormitory facility which is to be abandoned or which is not suitable for continuous use as a dormitory facility for the term of such Additional Bonds) for the preceding fiscal year, as adjusted, if necessary, to reflect the schedule of rates and charges to become effective at the beginning of the next semester, quarter or other school period and to give recognition to any anticipated changes in operating costs; plus (b) the estimated annual net

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income of the dormitory facilities to be financed through the proceeds of the sale of such Additional Bonds will be equal to or greater than one and three-tenths (1.3) times the maximum amount to become due in any succeeding fiscal year for the payment of principal and interest charges on the Bonds then outstanding hereunder and on the Bonds then to be authenticated and delivered; (2) showing that, until the dormitory facility being constructed from the proceeds of the Additional Bonds, is ready for occupancy, funds then available from net income, bond proceeds, gifts, legacies, devises or grants or other sources for payment when due of principal and interest on the Bonds will be at least one and three-tenths (1.3) times the principal and interest requirements for that period; (3) showing that there were not included in net income any receipts against which there is any prior claim other than the use thereof for the operating expenses included in computing the net income; (4) furnishing such other information in support of the foregoing as may reasonably be requested by the Trustee; (5) showing that the computations of estimates provided for above are based on an assumed occupancy of not more than 95% of capacity of the dormitory facilities in question.

The first call date on Additional Bonds shall not be earlier than the first call date on any issue of Bonds outstanding at the time of issue of such Additional Bonds.

Section 7. Terms of the Bonds Generally. As used in this Resolution, the term "Bonds" refers to the Series A, B, C, D, E, F, G, H and J Bonds and all Additional Bonds issued on a parity therewith under the Trust Agreement. The Bonds shall be designated The Ohio State University Dormitory Revenue Bonds, shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts to the United States of America, shall be negotiable instruments (except when registered), shall express upon their face the purpose for which they are issued, and shall be issued pursuant to Section 3345.07 of the Revised Code of Ohio. Unless otherwise provided by the Board, the Bonds shall be signed by the Chairman of the Board or bear his facsimile signature, shall

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be signed by the President of the University or bear his facsimile signature, shall be attested by the Secretary or the Treasurer of the Board, and shall be sealed with the seal of the University or a facsimile thereof, and interest coupons attached to the Bonds shall bear the facsimile signature of the Treasurer of the Board. In case any officer whose signature or a facsimile of whose signature shall appear on any Bonds or coupons shall cease to be such officer before the delivery of such Bonds, such signature or such facsimile shall nevertheless be valid and sufficient for all purposes, the same as if he had remained in office until such delivery. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time. The Additional Bonds shall bear such designations as may be necessary to distinguish them from the Series A, B, C, D, E, F, G, H and J Bonds or other Additional Bonds having different provisions and shall have maturities, interest rates, interest payment dates, redemption provisions, denominations, registration provisions, and other provisions as provided in the Resolution providing for issuance of the Additional Bonds, provided, however, that such terms and provisions shall not be inconsistent with this Resolution, the Trust Agreement or the then outstanding Bonds. On the terms provided herein, in the Trust Agreement and in the Bonds, the Bonds shall be equally and ratably payable from and secured by pledge of, the receipts from the operation of all dormitory facilities now or hereafter under control of the Board including the dining facilities constituting a part thereof, after provision for reasonable and proper expenses of operation and maintenance of such facilities; and anything in this Resolution, the Bonds or the Trust Agreement to the contrary notwithstanding, neither this Resolution, the Bonds, nor the Trust Agreement shall be a claim against or a lien upon any property of the State of Ohio or any property of or under the control of the Board except the portion of said receipts pledged as provided herein; provided, however, that nothing herein shall be deemed to prohibit the University, of its own

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volition, from using, or pledging, to the extent it is lawfully authorized to do so, any of its other resources or revenues for the fulfillment of any of the terms, conditions or obligations of the Trust Agreement, this Resolution, or any of the bonds.

Section 8. Covenants of the University. The University covenants with the holders of the Bonds and with the Trustee under the Trust Agreement that (a) it will adopt and maintain so long as any of the Bonds are outstanding such parietal rules, and charge and collect such rental rates and charges, from time to time, as may be necessary to assure maximum occupancy and use of the dormitory facilities and to provide the costs of maintenance and operation thereof and the principal of and interest on the Bonds and the Special Funds required by Section 9 of this resolution; (b) from funds lawfully available, it will cause the Project and any project to be constructed from the proceeds of Additional Bonds to be completed and equipped in an efficient and economical manner with reasonable dispatch and in a manner consistent with the plans and recommendations of responsible architects and all applicable laws, ordinances and regulations; (c) subject to the right of abandonment under conditions provided in the Trust Agreement designed to prevent adverse effect of such abandonment on the expected earnings coverage of Debt Service, it will, from the dormitory receipts pledged under this resolution and as part of the operating expenses, maintain, preserve and keep the dormitory facilities in good repair, working order and operating condition and continuously operate the same on a revenue producing basis, and will apply the receipts therefrom only as provided in Section 9 of this Resolution and in the Trust Agreement; (d) it will furnish to the Trustee and the Original Purchasers of the Bonds within 120 days after the close of each fiscal year an annual report of the accounts (including each Special Fund provided for in Section 9 of this Resolution) and operations of the dormitory facilities prepared by qualified accountants approved by the Trustee; (e) it will keep proper books of record and accounts separate from all other records and accounts, in which complete and correct entries will be made of all transactions relating to the dormitory facilities and will at all reasonable times permit the Trustee, the Original Purchasers or any holder or

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holders of 25% of the outstanding Bonds, or their authorized representatives, to inspect the dormitory facilities and any books, documents and vouchers relating thereto; (f) it will furnish heat, light, power, water and other necessary services to the dormitory facilities at not in excess of reasonable cost; (g) it will comply with all the terms and conditions of the respective Loan Agreements with the Housing and Home Finance Agency as long as the United States holds any of the Series B, D, F, G or J Bonds; (h) it will insure the dormitory facilities as required by the Trust Agreement and apply the proceeds of such insurance as provided therein; and (i) it will observe and perform all its agreements and obligations provided for by the Bonds, the Trust Agreement or the Bond Resolution.

Section 9. Application of Receipts; Special Funds. There was established by the Original Bond Resolution a Special Fund designated "Dormitory Revenue Fund," which fund shall be maintained in a bank account, or invested as herein authorized, in the name of the University separate and distinct from all other funds of the University and, subject to the withdrawals and uses herein authorized, is pledged to and charged with the payment of the principal, interest, and premium, if any, on all the Bonds issued under the Trust Agreement.

Under the Original Bond Resolution there shall be maintained in the Dormitory Revenue Fund, as an Operating Reserve, such amount as is from time to time certified by the Fiscal Officer of the University as adequate and necessary for working capital for operation and maintenance of the dormitory facilities; provided, that such Operating Reserve shall not exceed one-fourth of the operating and maintenance expenses of the dormitory facilities for the preceding 12 months.

All receipts from dormitory facilities now or hereafter under the control of the Board, including the dining halls constituting part thereof, shall be deposited in the Dormitory Revenue Fund.

The Dormitory Revenue Fund, including the Operating Reserve, shall be applied to pay when due all reasonable and proper expenses of operation and maintenance (as defined in Section 11) of the dormitory facilities, excluding

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extraordinary repair and replacement expenses payable from the Contingency Repair and Replacement Fund and expenses of or provision for depreciation or capital replacement.

The remainder of the Dormitory Revenue Fund, after retaining therein the then current Operating Reserve and payment of said operation and maintenance expenses then due, shall be applied as provided in the Original Bond Resolution, namely, as follows and in the following order of priority:

First: Into the Debt Service Fund, to be held by the Trustee as a separate fund and used for the payment of principal and interest on the Bonds, the amounts provided in the Original Bond Resolution and in the Bond Resolutions relating to the Series C, D, E, F, and G Bonds for payment of principal and interest on the series A, B, C, D, E, F and G Bonds and, in addition, (1) on or before April 1 and October 1 of each year an amount equal to the interest due on the next ensuing interest payment date in that year on all Series H and J Bonds then outstanding; provided, that, the amount so payable on any such date into the Debt Service Fund shall be reduced by the amount then remaining in said Debt Service Fund from the accrued interest and from the funds deposited therein for capitalized interest pursuant to Section 5 of this Resolution; (2) on or before April 1 and October 1 of each year, the equal semi-annual amounts necessary to provide for payment of any principal maturity in that year on Series H and J Bonds; (3) if Additional Bonds shall be issued under the Trust Agreement, such additional amounts and at such times as specified in the resolution authorizing such Additional Bonds, which amounts shall be not less than necessary to provide in the Debt Service Fund amounts, in addition to the amounts hereinbefore provided for the Series A, B, C, D, E, F, G, H and J Bonds, sufficient to pay in full interest and principal on all Additional Bonds then outstanding, as the same shall become due and payable provided that no payments need be made to the Debt Service Fund so long as the amounts in the Debt Service Fund and Debt Service Reserve Fund aggregate at least the total principal

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and interest payable on all Bonds then outstanding to the dates of their respective maturities.

Second: Into the Debt Service Reserve Fund, to be held by the Trustee as a separate fund for the payment of principal and interest on, and purchase or redemption of, the Bonds as herein provided, on or before April 1 and October 1 of each year and on such other dates as amounts are payable into the Debt Service Fund with respect to Additional Bonds, such amounts as are necessary to create and maintain in said Debt Service Reserve Fund the required reserve, namely, an amount equal to the maximum principal and interest requirements for any consecutive two-year period on all Bonds at the time outstanding;

Third: Into the Contingency Repair and Replacement Fund, to be held by the University as a fund separate and distinct from all other funds of the University, semi-annually on or before April 1 and October 1 of each year, or as soon thereafter as the required reserve has been established in the Debt Service Reserve Fund, an amount equal to one-quarter of one per cent of the cost of construction on all dormitory facilities then under the control of the Board and 3 per cent of the cost of movable equipment for all such dormitory facilities, which fund may be used by the University to the extent necessary for payment of principal and interest on the Bonds or for extraordinary repairs and replacements to the dormitory facilities or for construction or equipping of additional dormitory facilities;

Fourth: On April 1 and October 1 of each year, to the foregoing funds, such amounts as may be necessary to make up any previous deficiency in any deposits required by the foregoing paragraphs of this section;

Fifth: So long as there is no deficiency in any of the deposits provided for in Paragraphs First through Fourth above and so long as the amounts in the Debt Service Reserve Fund are at least equal to the then required reserve, any amounts in the Dormitory Revenue Fund, after reserving therein the then current Operating Reserve, may be used for any purpose of the University for which such funds may lawfully be used.

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The Debt Service Fund is irrevocably pledged to and shall be used by the Trustee for the payment of principal and interest on the Bonds and, until required for such purposes, shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing addressed to the Trustee, which writing shall determine that the maturity of the respective obligations is not later than the date on which such funds will be required for payment of such principal and interest. The Trustee shall transfer from the Debt Service Fund to the Paying Agents amounts sufficient to enable said Paying Agents to pay when due principal and interest on the Bonds, or the Trustee shall make such credit arrangements with said Paying Agents as to permit such payments.

The Debt Service Reserve Fund is irrevocably pledged to, and shall be used by the Trustee for, the payment of principal and interest on the Bonds if other available funds are insufficient for that purpose and, to the extent herein provided, for purchase or redemption of Bonds. Until required for such purposes it shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing, which obligations shall mature not more than five years from the date of investment. The Trustee shall transfer from the Debt Service Reserve Fund to the Debt Service Fund such amounts as are necessary in addition to amounts available in the Debt Service Fund, including funds transferred from the Contingency Repair and Replacement Fund, to enable said Paying Agents to pay when due the principal and interest on the Bonds.

Any amounts in the Debt Service Reserve Fund in excess of the required reserve provided for in Paragraph Second above shall be used to purchase Bonds for retirement or to redeem Bonds then subject to redemption to the extent and in the manner from time to time requested in writing by the President and the Fiscal Officer of the University. In calculating at any time whether additional amounts are required to be paid into the Debt Service Reserve Fund under Paragraph Second

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above and in calculating the excess over the required reserve, no value shall be given to any investments of the fund other than direct obligations of the United States maturing within five years from the date of such calculation, but, in all other respects, such investments shall be valued at their face amount or market value, whichever is lower.

The Contingency Repair and Replacement Fund is irrevocably pledged to, and shall be used by the University for, extraordinary repairs and replacements to the dormitory facilities or to construct or equip additional dormitory facilities or for the retirement of all then outstanding Bonds by purchase or redemption or for payment of the principal and interest by transfer to the Debt Service Fund as herein provided. The University shall transfer from the Contingency Repair and Replacement Fund to the Debt Service Fund such amounts as are from time to time necessary, in addition to the other amounts available in the Debt Service Fund and without use of the Debt Service Reserve Fund, to provide for the payment, when due, of the principal and interest on the Bonds and shall not use any of this fund for repairs or replacement or additional facilities if there is any deficiency in any of the deposits required to be made under sub-paragraphs First or Second of this Section. Until required for such purposes, the Contingency Repair and Replacement Fund may be invested by the President and the Fiscal Officer of the University in direct obligations of the United States maturing not more than five years from the date of investment.

Investments made pursuant to this Section 9 of any amounts in any Special Fund herein created and the interest thereon and the proceeds thereof shall constitute part of that Special Fund and be added to that particular fund. Such investments shall be sold, exchanged or collected from time to time as directed by the President and the Fiscal Officer of the University, and the Trustee shall be under no liability and have no responsibility in connection with such investment, or the sale, exchange or collection thereof, provided the directions of said officers are followed.

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Section 10. Trust Agreement. In order to secure the payment of the principal and interest on the Bonds, the President of the University and the Chairman of the Board of Trustees, and each of them, are authorized to execute, acknowledge and deliver as may be appropriate the Fourth Supplemental Trust Agreement in substantially the form attached hereto, and the Secretary of the Board of Trustees is authorized to seal and attest the same, with such changes not unfavorable to the University as the officers acting shall deem advisable and as shall be approved by the Original Purchasers of the Series H and J Bonds. The terms and provisions of the Trust Agreement are hereby confirmed and adopted and the terms of said Trust Agreement purporting to be applicable to the Series A and Series B Bonds or to the Project to be constructed from the proceeds of the Series A and Series B Bonds shall be deemed equally applicable to the Series H and J Bonds and the Project covered by this Resolution to the extent that the same are not inconsistent with the terms or provisions of this Resolution and the context so permits.

Section 11. Definitions. Where the context permits, the following terms as used in this Resolution or in the Trust Agreement shall have the following meanings: (1) "the Fiscal Officer" shall mean the Vice President, Business and Finance, of the University or any official or employee performing the duties of such officer for the time being. The Comptroller, or any official or employee performing the duties of such officer for the time being, shall also be "a Fiscal Officer" when the context so permits. (2) "Additional Bonds" shall mean Bonds issued pursuant to the Trust Agreement in addition to and on a parity with the Series A, B, C, D, E, F, G, H and J Bonds, and "Bonds" shall mean both the Series A, B, C, D, E, F, G, H and J Bonds and Additional Bonds; (3) "Agreement" or "Trust Agreement" shall refer to the Trust Agreement dated as of April 15, 1957 as from time to time supplemented pursuant to its terms; (4) "Dormitory Facilities" shall mean buildings, groups of buildings or parts of or additions to buildings, including the sites therefor, now or hereafter constructed, acquired by or under the control of the Board and authorized to be constructed, equipped, maintained and

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operated by Section 3345.07 of the Revised Code of Ohio, including the dormitories, additions to dormitories, dining facilities, and married student housing facilities or projects located on or in close proximity to the campus; (5) "Net Income" shall mean all receipts of the operation of dormitory facilities after deducting therefrom the reasonable and proper operating and maintenance expenses thereof; (6) "Reasonable and Proper Operating and Maintenance Expenses" shall mean ordinary and usual reasonable expenditures necessary to the operation, repair and maintenance of the dormitory facilities including, without limiting the generality of the foregoing, taxes, fees and expenses of the Trustee and paying agents and any expenses required to be paid by the Bond Resolution or the Trust Agreement, but excluding provision or expenditure for depreciation or capital replacement or expenditures for administration or regulation of the occupants of the dormitory facilities which expenditures do not constitute costs of the type included as costs of operation of the dormitory facilities under the present accounting practice of the University or expenditures for extraordinary repairs or replacements or payments to the Debt Service Fund, Debt Service Reserve Fund or Contingency Repair and Replacement Fund; (7) "Trustee" refers to the Trustee under the Trust Agreement, presently The Ohio National Bank of Columbus; (8) Any reference to an officer of the University or of the Board in this Resolution shall refer to the person holding such office or, in the event of resignation, absence, incapacity or vacancy in such office, then the person performing the duties of such office; any reference to Section 3345.07 of the Revised Code of Ohio shall, where the context permits, mean said section as it now exists and as it is from time to time amended, supplemented or affected by later legislation.

Section 12. General. The appropriate officers of the University and the Board, the architects and engineers employed by the University, and the Trustee designated in the Trust Agreement are authorized and directed to do all things necessary or proper to carry out the terms and provisions of this Resolution, the Trust Agreement, the Sale referred to in Section 3 above and the Loan Agreement

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referred to in Section 4 above, and to effect the execution, sale and delivery of said Series H and J Bonds in accordance therewith if approved by the President and Fiscal Officer of the University. It may be required as part of the terms of sale of the Series H or J Bonds that prior to or at the time of delivery of either the Series H or J Bonds there shall have been executed and delivered contracts for construction of the principal portions of the Project and provisions shall have been made for obtaining sufficient amounts to pay all costs of the Project as estimated by the Project architect. The obligations imposed upon the University under this Resolution or the Trust Agreement are established as duties specifically enjoined upon the University, the Board and the officials of the University by law and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Revised Code of Ohio.

Whereas, the texts of the Series H and J Bonds and the coupons, if any, to be attached thereto and the authentication certificate of the Trustee to be endorsed thereon are to be substantially as follows:

(Form of Coupon Bond)

The form of Coupon Bond shall be identical with the form of Coupon Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate and corresponding coupon form in said Coupon Bond the following paragraphs and coupon form:

This Bond is a Series ____ Bond and is one of a duly authorized issue of \$6,500,000 of Dormitory Revenue Bonds, consisting of \$3,500,000 Series H Bonds and \$3,000,000 Series J Bonds of the University, issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the Resolutions of the Board of Trustees of April 8, 1957 and November 10, 1961 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing

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and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second, Third and Fourth Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity in whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1973, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows: four per cent (4%) if redeemed 1973 to 1977, inclusive; three per cent (3%) if redeemed 1978 to 1982, inclusive; two per cent (2%) if redeemed 1983 to 1987, inclusive; one and one-half per cent (1-1/2%) if redeemed 1988 to 1992, inclusive; and without premium if redeemed after 1992. If less than all the Bonds (or parts of Registered Bonds) of one maturity and of one series are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series A, B, C, D, E, F, G, H and J Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the

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Agreement after provision only for reasonable operating and maintenance expenses thereof.

In Witness Whereof, The Ohio State University and its Board of Trustees, jointly and severally, have caused this Bond to be signed by the facsimile signatures of the Chairman of the Board of Trustees and of the President of the University and to be attested by the Secretary of the Board of Trustees and to bear a facsimile of the seal of the University and the interest coupons attached hereto to bear the facsimile signature of the Treasurer of the Board of Trustees, all as of _____.

(Form of Trustee's Authentication Certificate)

Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Fourth Supplemental Trust Agreement dated as of April 15, 1961.

The Ohio National Bank of Columbus,
Trustee

By _____
Authorized Officer

(Form of Coupon)

On the ____ day of _____, 19____, unless the bond to which this coupon is attached has been called for previous redemption, The Ohio State University and its Board of Trustees, as such Trustees and not individually, will pay to bearer, but only from the sources and in the manner provided in the Trust Agreement dated April 15, 1957, and supplement thereto dated April 15, 1961, between the said University and said Board and The Ohio National Bank of Columbus, as Trustee,

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and not from the general or ordinary funds of the State of Ohio or said Board or University, on the surrender of this coupon at the principal office of The Ohio National Bank of Columbus, Columbus, Ohio, or, at the option of the holder, at the principal office of Morgan Guaranty Trust Company of New York in the Borough of Manhattan, City and State of New York.

Dollars \$ _____ in lawful money of the United States
of America, being interest then due on The Ohio State University
Dormitory Revenue Bond, Series _____ dated _____.

(Facsimile Signature) Bond No.
Coupon No.

Treasurer of the Board of Trustees

(Form of Fully Registered Bond of Single Maturity)

The form of Registered Bonds without coupons of a single maturity shall be identical with the form of Registered Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate in said Registered Bond the following paragraphs:

* * * * *

This Bond is a Series _____ Bond and is one of a duly authorized issue of \$6,500,000 of Dormitory Revenue Bonds, consisting of \$3,500,000 Series H Bonds and \$3,000,000 Series J Bonds of the University, issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board of Trustees of April 8, 1957 and November 10, 1961 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second, Third and Fourth Supplemental Trust Agreements

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between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1973, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows: four per cent (4%) if redeemed 1973 to 1977, inclusive; three per cent (3%) if redeemed 1978 to 1982, inclusive; two per cent (2%) if redeemed 1983 to 1987, inclusive; one and one-half per cent (1-1/2%) if redeemed 1988 to 1992, inclusive; and without premium if redeemed after 1992. If less than all the Bonds (or parts of registered Bonds) of one maturity and of one series are to be called, the coupon bonds or portions of fully registered bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series A, B, C, D, E, F, G, H and J Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

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(Form of Trustee's Authentication Certificate)

Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Fourth Supplemental Trust Agreement dated as of April 15, 1961.

THE OHIO NATIONAL BANK OF COLUMBUS,
Trustee

By _____
Authorized Officer

(Form of Single Fully Registered Bond
Covering More Than One Maturity)

The form of Single Fully Registered Bond without coupons shall be identical with the form of Single Fully Registered Bond set forth in the First Supplement to the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate the following paragraphs:

This Bond, designated Dormitory Revenue Bond, _____ (herein referred to as the Bond), is issued in lieu of an issue of a like principal amount of serial coupon bonds of similar designation maturing in the amounts and on the dates of the above installments, bearing interest at the same rate and each in the denomination of \$1,000, and with the above coupon bonds, is authorized to be issued, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board adopted April 8, 1957 and November 10, 1961 (herein collectively called the Bond Resolution) and the Supplemental Trust Agreement described below, for the purpose of paying the costs of constructing and equipping certain dormitory facilities and repaying advances made for that purpose and is secured by Trust Agreement dated as of April 15, 1957, as

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supplemented by the First, Second, Third and Fourth Supplemental Trust Agreements between the University and The Ohio National Bank of Columbus as Trustee (herein called the Trust Agreement). This Bond is exchangeable at the sole expense of the University at any time, upon 90 days' notice, at the request of the registered owner hereof and upon surrender of this Bond at the office of the Trustee, together with an assignment and instructions duly executed by the registered owner in such form as shall be satisfactory to the Trustee, for Coupon Bonds authorized by the Trust Agreement bearing interest payable on the same dates and at the same rate and maturing in the same amounts and on the same dates as the then unpaid installments of this Bond, with coupons attached representing all unpaid interest due or to become due thereon, or for single maturity registered bonds without coupons authorized by the Trust Agreement bearing interest payable on the same dates and at the same rate and maturing in the same amounts and on the same dates as the then unpaid installments of this Bond.

The Series A, B, C, D, E, F, G, H and J Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Trust Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Trust Agreement after provision only for reasonable operating and maintenance expenses thereof.

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees, jointly and severally, have caused this Bond to be signed by the Chairman of the Board of Trustees by facsimile signature and by the President of the University and to be attested by the Secretary

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of the Board of Trustees and to bear a facsimile seal of the University,
all as of _____.

* * * * *

(Form of Trustee's Authentication Certificate)

Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned
Trust Agreement as supplemented by Fourth Supplemental Trust Agree-
ment dated as of April 15, 1961.

THE OHIO NATIONAL BANK OF COLUMBUS,
Trustee

By _____
Authorized Officer

NOW, THEREFORE, THIS SUPPLEMENTAL TRUST AGREEMENT,
WITNESSETH that in order to secure the payment of the principal of and interest
on the Bonds according to their true intent and meaning, and to secure the
performance and observance of all covenants and conditions therein and herein,
in the Bond Resolution and in the Trust Agreement contained, and for and in
consideration of the premises and of the purchase and acceptance of the Bonds by
the holders thereof from time to time, and the acceptance by the Trustee of the
further trusts hereby created, and for other good and valuable considerations,
the receipt of which is hereby acknowledged, the University has executed and
delivered this Fourth Supplemental Agreement.

IN TRUST, NEVERTHELESS, upon the terms and trusts in the Trust Agree-
ment and in this Supplement set forth for the equal and proportionate benefit and
security of all present and future holders of the Bonds and appurtenant coupons
issued or to be issued under and secured by the said agreements, without preference,
priority or distinction, as to lien or otherwise, of any one bond or coupon over any
other by reason of priority in the time of the issue or negotiation thereof or other-
wise, except as may be otherwise expressly provided in said Trust Agreement.

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AND IT IS HEREBY COVENANTED AND DECLARED by the University with the Trustee and its successors in the trust under the Trust Agreement for the benefit of those who shall hold such Bonds and appurtenant coupons at any time issued and outstanding under the Trust Agreement as follows:

Section 1. Incorporation of Bond Resolution. The Bond Resolution is hereby made a part of this Supplement and of the Trust Agreement.

Section 2. Form, Execution and Delivery of Series H and J Bonds. The Series H and J Bonds shall be executed, authenticated and delivered as provided herein, and said Series H and J Bonds, the coupons to be attached thereto, and the certificate of authentication of the Trustee to be endorsed thereon shall be substantially in the form provided herein with any necessary modifications to conform hereto and to any requirements of the Housing and Home Finance Agency if the United States purchases any of said Series J Bonds.

Section 3. Proceeds of Sale. The proceeds from the sale of the Series H and J Bonds shall be applied as provided in the Bond Resolution.

Section 4. Concerning the Trustee. The Trustee hereby accepts the trusts hereby declared and provided and agrees to perform the same upon the terms and conditions in the Trust Agreement and in this or any other Supplement set forth.

The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplement or the due execution thereof by the University, nor for or in respect of the recitals herein contained, all of which recitals are made by the University solely. In general, each and every term and condition contained in the Original Trust Agreement shall apply to this Supplement, with such omissions, variations and modifications thereof as may be appropriate to make the same conform to this Supplement.

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IN WITNESS WHEREOF, the Board of Trustees has caused this Fourth Supplemental Trust Agreement to be executed and The Ohio National Bank of Columbus, Columbus, Ohio, as Trustee, in token of its acceptance of the trusts created hereunder, has caused this Fourth Supplemental Trust Agreement to be executed and has caused its seal to be hereunto affixed all as of the day and year first above written.

(Seal) THE OHIO STATE UNIVERSITY
and
THE BOARD OF AND TRUSTEES OF
THE OHIO STATE UNIVERSITY

Attest: By _____
President

Secretary

And By _____
Chairman of the Board

(Seal) THE OHIO NATIONAL BANK OF COLUMBUS,
Trustee

Attest: By _____
Vice President

Trust Officer

STATE OF OHIO)
) SS:
COUNTY OF FRANKLIN)

On this ____ day of _____, 196__, before me a Notary Public in and for said County and State personally appeared _____ and _____, the President and the Chairman of the Board, respectively, of The Ohio State University, and acknowledge the execution of the foregoing instrument, and that the same is their voluntary act and deed on behalf of said University and its Board of Trustees and the voluntary act and deed of said University and Board of Trustees.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

Notary Public

(Seal)

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STATE OF OHIO)
) SS:
COUNTY OF FRANKLIN)

On this ____ day of _____, 196 __, before me a Notary Public in and for said County and State personally appeared _____ and _____, Vice President and Trust Officer respectively of The Ohio National Bank of Columbus, the bank which executed the foregoing instrument as Trustee, who acknowledge that the seal affixed to said instrument is the seal of said Bank, that they did sign said instrument as such officers, respectively, for and on behalf of said Bank and by authority granted in its rules and regulations and by its Board of Directors; that the same is their free act and deed as such officers, respectively, and the free act and deed of said The Ohio National Bank of Columbus.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

Notary Public

(Seal)

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-FIFTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 12, 1961

The Board of Trustees met at its regular monthly meeting on December 12, 1961, at The Ohio State University, Columbus, Ohio, pursuant to call of the Chairman.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Smith L. Rairdon and Alan B. Loop.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Degrees Conferred - December 1961 Commencement

It is recommended that degrees be conferred at the December 15, 1961 Commencement to those students who complete their requirements and are recommended by the Faculty Council for degrees on that date. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix V, page 267.)

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

B. Honorary Degrees

On November 21, 1961, the Faculty Council recommended that the honorary degree, Doctor of Science, be awarded to:

Howard Bernhardt Adelman
Joseph Howard Humberstone
Fred Homer Pumphrey
Grote Reber

and that the honorary degree, Doctor of Humane Letters, be awarded to:

Harry Clifford Ramsower

It is therefore recommended that the Board of Trustees approve the Faculty Council recommendation and that these degrees be awarded at one of the Commencements of the year 1962.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by a roll call vote.

C. Report on Campus Planning Study

The Board of Trustees in 1958 authorized the employment of the firm of Caudill, Rowlett and Scott to develop, in cooperation with the Office of Campus Planning, a master plan for the future development of the campus. A preliminary report, raising certain basic policy questions, was presented to the Board of Trustees on September 7, 1959. Subsequently, on April 8, 1960, the Board adopted a statement answering the questions raised in the preliminary report, and at the same time authorized the further employment of the consultants to complete the study.

The final report of Caudill, Rowlett and Scott is now completed, and is submitted herewith. In order to provide for the prompt and orderly completion of this project, it is now recommended:

1. That this final report be made a matter of record.

I. GENERAL RECOMMENDATIONS (continued)

C. Report on Campus Planning Study (continued)

2. That the President be instructed to arrange promptly for study and analysis of this report by members of his staff and others, at his discretion, and that not later than February 9, 1962, he make his recommendations to the Board of Trustees with respect to appropriate action adopting or modifying the master plan as presented in the report.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendations were adopted by unanimous roll call vote.

Following the above action, Chairman Bricker presented the following statement concerning the Campus Planning Study - Phase II:

I have examined the Phase II master plan report with some care. The scope and complexity of the problems with which it deals and the comprehensiveness of its recommendations fully warrant the decision to defer action until the President, with such advice and assistance as he elects to seek, has had ample opportunity to complete his analysis and present his recommendations.

There is, however, one aspect of the recommended plan which is pressing in nature and which can be safely considered in advance of our action on the total report. This is the part related to traffic, and more particularly to the separation of urban and campus traffic.

When I first entered the University 49 years ago, the campus was still in a rural setting on the outskirts of the city. There were a few automobiles, to be sure, but the main problem created by them was the scaring of horses. The campus today provides parking space for almost 8,000 motor vehicles, and still the cars of University employees and students spill out into the surrounding neighborhoods.

Moving vehicles posed no great problem in 1912. There was a trickle of slow moving traffic on Neil Avenue through the campus. The University was quite oblivious to the light traffic on the old Delaware Pike on the west bank of the river, which is now the Olentangy River Road. Today, Neil Avenue is clogged by non-University traffic each morning and afternoon, and urban traffic moves on many campus streets at speeds far in excess of the 20 miles per hour considered essential for the safety of the thousands of students who move from building to building each hour. This urban traffic, and campus traffic as well, also spills over into surrounding residential streets, which they are not designed to carry. The Olentangy River Road has become a major highway, and its intersection at Lane Avenue has become the busiest in the county.

We cannot drift for another 49 years, or even 49 months or 49 weeks, without launching a frontal attack upon the traffic problem on campus and the surrounding urban streets. It is imperative

I. GENERAL RECOMMENDATIONS (continued)

C. Report on Campus Planning Study (continued)

that we move as rapidly as possible to the implementation of the master plan recommendations with respect to the separation of urban and campus traffic.

The University can solve part of the traffic problem through its own efforts, but some aspects of the solution depend upon the understanding cooperation of other public agencies--federal, state, county, and city.

The routing of urban traffic around the campus, rather than through it, is the major contribution that these other agencies can make to the solution of the traffic problems of the University and of the surrounding residential neighborhoods. This involves the construction of east-west by-pass routes on the north and the south, and, if the proposed plan is followed, the improvement of Lane Avenue to handle more traffic with less interference with University operations.

The major problem requiring action by non-University agencies is the relocation of the Olentangy River Road. It is commendable that the state and city are collaborating in the study of the feasibility of several alternate routes for this highway, and it is hoped that there can be an early completion of these studies.

I have been advised that the Olentangy River Road now carries 32,000 vehicles per day on the segment across the river from the Stadium. The proposed improvement of this highway south of King Avenue and other contemplated street changes will greatly increase this volume, probably to 48,000 vehicles or more by 1980. Since the present highway, and the intersection at Lane Avenue, cannot handle this increased load, it is necessary that a road with a higher capacity and a better interchange be constructed, either along the present alignment or farther west.

Improvement of the road in its present location would require substantial encroachment on University lands for the construction of additional traffic lanes and the interchange. It would not be in the best interests of the University to grant the easements necessary for these improvements. A new location farther west, along the east side of the Chesapeake and Ohio Railroad, would permit the University to develop a unified academic area, which is essential for close cooperation among related disciplines, and it would remove a major obstacle to the free movement of students from one part of the central academic area to another. Return of the present Olentangy River Road right-of-way to the University is necessary for the proper placement of dormitories adjacent to the undergraduate academic buildings and to essential recreation fields. This change would also make it possible for the University to develop the river into a campus symbol in much the same way that the Oval is the symbol of the original campus.

December 12, 1961 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Report on Campus Planning Study (continued)

Even a preliminary study of this Phase II report indicates that the essential key to the success of the recommended plan is the relocation of the Olentangy River Road, and every reasonable effort should be made to bring this about at the earliest possible time. Failure at this point will plague the University and curtail its effectiveness for untold generations to come.

Mr. Ketner, Vice Chairman, spoke in support of the Chairman's statement and expressed the opinion that the relocation of the Olentangy River Road will not only provide great educational advantages to the University but will also result, if executed as recommended, in a significant saving of funds for the State of Ohio as well as adding to the convenience of personnel, students and the general public who travel to and about the University.

In conclusion the Chairman commended Dr. John H. Herrick, Executive Director, Campus Planning, and his staff and the consultants for the effective manner in which the Campus Planning Study - Phase II has been presented.

D. Naming of New Veterinary Pathology Building - Leonard W. Goss Laboratory

Upon the recommendation of the Faculty, the Executive Committee, and the Dean of the College of Veterinary Medicine, and with the concurrence of the Executive Director, University Relations, it is proposed that the new veterinary pathology building now under construction at 1925 Coffey Road be designated as the "Leonard W. Goss Laboratory."

Dr. Goss was widely recognized for the excellence of his teaching ability. He served as chairman of the Department of Veterinary Pathology from 1920 until the time of his retirement in 1947. During this period and under his leadership, the stature of the Department of Veterinary Pathology was advanced.

This recommendation has the concurrence of the President's Cabinet and is in accordance with the By-Laws of the Board of Trustees. It is hereby recommended for your approval.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the naming of the building located at 1925 Coffey Road as the "Leonard W. Goss Laboratory."

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the November 10, 1961 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointment, Promotion, Leaves of Absence With Salary and Leaves of Absence Without Salary:

II. PERSONNEL CHANGES (continued)

A. Appointment

David L. Clark, Associate Dean, College of Education, and Associate Professor in the Bureau of Educational Research and Service, effective January 1, 1962, at a salary of \$15,168.00 per annum.

B. Promotion

Robert E. Taylor from Consultant (part time) to Associate Professor (part time), Agricultural Education, effective January 1, 1962, at no change in salary.

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With or Without Salary from the Agricultural Extension Service for the period indicated:

C. Leaves of Absence With Salary

Francis R. Calderwood, Instructor (County Extension Agent, 4-H) Cuyahoga County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Don L. Davis, Instructor (County Extension Agent, 4-H) Athens County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Larry Rhonemus, Instructor (County Extension Agent, 4-H) Champaign County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

D. Leaves of Absence Without Salary

Floren V. James, Instructor (County Extension Agent, Agriculture) Erie County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Franklin W. Kapp, Instructor (County Extension Agent, 4-H) Putnam County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Thomas J. McDonough, Instructor (County Extension Agent, 4-H) Sandusky County, January 1, 1962 through March 15, 1962, to study at The Ohio State University.

Upon motion of Mr. Bairdon, seconded by Mr. Loop, the Appointment, Promotion, Leaves of Absence With Salary, Leaves of Absence Without Salary and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting:

1. Government Contracts - Federal

- a. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis (to be known as Aeronautical Systems Division Project No. 930 - Mod. #9 - OSURF).
Gross Value - \$60,000.00.
- b. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an investigation of Properties of Non-Metallic Solids at Low Temperatures, by Use of Nuclear Magnetic Resonance Techniques (to be known as Office of Naval Research Project No. 989 - Amend. #2 - Department of Physics and Astronomy).
Gross Value - \$17,500.00.
- c. Commander, Rome Air Development Center, Air Research and Development Command, Griffiss Air Force Base, New York, for an investigation of High Gain Antenna Realization and Tracking Study (to be known as Rome Air Development Center Project No. 1072 - Sup. #5 - Department of Electrical Engineering).
Gross Value - \$189,000.00.
- d. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an investigation of Techniques for Promoting the Long Term "Retention" of Learned Skills (to be known as Aeronautical Systems Division Project No. 1103 - Mod. #3 - Department of Psychology).
Gross Value - \$39,438.00.
- e. Department of Health, Education and Welfare. Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of The Metabolic Basis of Spore Formation (to be known as National Institutes of Health Project No. 1177 - Ext. #1 - Department of Agricultural Biochemistry).
Gross Value - \$13,800.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Ventricular Depolarization in Heart Malformations (to be known as National Institutes of Health Project No. 1215 - Ext. #1 - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$31,029.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Mechanisms of Photochemically Initiated Oxidations (to be known as National Institutes of Health Project No. 1220 - Ext. #1 - Department of Chemistry).
Gross Value - \$27,339.00.
- h. International Cooperation Administration, Washington 25, D. C., for Conducting Series of Training Courses in Fundamentals of Supply Management for Foreign Nationals (to be known as International Cooperation Administration Project No. 1221 - Ltr. of Assignment dtd. 10/30/61 - Defense Management Center).
Gross Value - \$14,700.00.
- i. Commander, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for a Study of Projective Planes (to be known as U. S. Army Research Office (Durham) Project No. 1276 - Sup. #1 - Department of Mathematics).
Gross Value - \$24,072.00.
- j. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Continuation of a Research Program on Consistency and Change in Social Attitudes (to be known as Office of Naval Research Project No. 1373 - New - Department of Psychology).
Gross Value - \$32,875.00.
- k. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an investigation of Infrared Spectra and the Structure of Polyatomic Molecules (to be known as Office of Naval Research Project No. 1379 - New - Department of Physics and Astronomy).
Gross Value - \$9,000.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an investigation of Exchange Protolysis of Molecules in Solution (to be known as National Institutes of Health Project No. 1383 - New - Department of Chemistry).
Gross Value - \$23,088.00.
- m. National Science Foundation, Washington 25, D. C., for an investigation of Petrography of Marguerite Bay Area, Palmer Peninsula, Antarctica (to be known as National Science Foundation Project No. 1389 - New - Institute of Polar Studies).
Gross Value - \$5,878.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- n. Classified Program (to be known as Classified Program Project No. 1186-B - Change #6 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$1,000.00.

TOTAL - Government Contracts - Federal \$488,719.00

2. Industrial and Other Contract

- a. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an investigation of Factor in Screening for Cardiovascular Disease (to be known as Central Ohio Heart Association Project No. 1387 - New - Department of Physiology).
Gross Value - \$1,200.00.

The foregoing fifteen contracts for research in cooperation with Government, Industry and Other represent a gross income of \$489,919.00.

Upon motion of Mr. Loop, seconded by Mr. Ketner, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from October 28, 1961 through November 24, 1961, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

- EES 200 Nuclear Energy for Quality Control of Highway Materials, Ohio Department of Highways, Columbus, Ohio; Bureau of Public Roads, Department of Commerce, Washington, D. C.
Gross Value - \$4,000.00.

2. Industrial Research Contract

- EES 201 A Study to Determine the Normal Variation in Aggregate Gradation Produced by Asphalt Plants, National Bituminous Concrete Association, College Station, Texas.
Gross Value - \$6,000.00.

The foregoing two contracts for research in the Engineering Experiment Station represent a gross income of \$10,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Contract Between The Ohio State University and Ohio Wesleyan University - Radio Telescope Near Perkins Observatory

On September 4, 1956 the Board of Trustees approved an amendment to the agreement between The Ohio State University and Ohio Wesleyan University on the operation of Perkins Observatory covering the erection of a Radio Telescope on land adjacent to the observatory.

The Attorney General of Ohio has suggested that an additional contract be made between the two institutions to clarify the matter of ownership of installations related to the Radio Telescope; such installations are owned by The Ohio State University and located on Ohio Wesleyan property. This contract has been approved by the Board of Trustees of Ohio Wesleyan University, and it is now recommended that the President be authorized to sign the contract on behalf of the University.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above contract was unanimously approved by roll call vote.

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IV. GIFTS

It is recommended that the following gifts be accepted for the University and the appreciation of the Board of Trustees be appropriately expressed:

A. Administered Through the Development Fund

1. \$7,500.00 for the Michael V. DiSalle Scholarship Fund.

Michael V. DiSalle Scholarship Fund

The Michael V. DiSalle Scholarship Fund was established November 16, 1961, by a gift from friends of the Honorable Michael V. DiSalle, Governor of Ohio, in his honor.

The principal is to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used to encourage responsible journalism by granting a scholarship or scholarships annually to students in the School of Journalism or to those majoring in journalism.

In the event the need for such scholarships ceases to exist or so diminishes as to create unused income, then the Board of Trustees of the University may use said income for any purpose in its discretion, preference to be given, however, to items in the field of journalism.

IV. GIFTS (continued)

A. Administered Through the Development Fund (continued)

2. \$1,000.00 for the William J. McCaughey Fellowship in Mineralogy.

William J. McCaughey Fellowship in Mineralogy

The William J. McCaughey Fellowship in Mineralogy was established November 28, 1961 by gifts through the Development Fund in honor of William J. McCaughey.

The principal and any additions thereto are to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for fellowship stipends to students in the field of mineralogy.

If the need for such fellowships ceases to exist or so diminishes as to create unused income, then the Board of Trustees of the University may use said income in its discretion.

B. Administered Through the Office of Business and Finance

1. \$5,000.00 for The Ohio State Dental Association Loan Fund.

A gift in the above amount was received from The Ohio State Dental Association and designated for the unrestricted use of the Dean of the College of Dentistry, The Ohio State University.

Upon the recommendation of Dean Wendell D. Postle, the full amount has been deposited in The Ohio State Dental Association Loan Fund, which has already been established, to be administered through the Office for Student Financial Aids and Scholarships. According to Mr. G. William King, Executive Secretary of the Fund for Dental Education, Chicago, Illinois, this is the largest single contribution to the Fund for Dental Education yet made by a state dental association.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the foregoing gifts were accepted by unanimous vote.

C. Report from The Ohio State University Development Fund

In October, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,185	\$ 9,637.63
Individuals, Other Than Alumni	23	1,742.00
Non-Profit Organizations	46	33,419.82
Business Concerns	14	26,870.00
	<u>1,268</u>	<u>\$71,669.45</u>

Of these gifts, 1,097 totaling \$6,990.63 were undesignated and 171 totaling \$64,678.82 were designated.

V. APPROPRIATION AND TRANSFER OF FUNDS

A. Department of Electrical Engineering

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$600.00 be appropriated from the University Treasurer Account No. 19603, Research Facilities, for the purpose of installing a three-phase 120-208 volt service line to Room 402 in Caldwell Laboratory in order that the investigation of the ionization produced by artificial earth satellites may continue uninterrupted.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Replacement of Condensate Return and Hot Water Heating Lines in the Tunnels

It is recommended that the following changes be made:

1. Modify the side of the tunnel to provide for maintenance to one of the expansion joints and install two 5" valves. Add \$540.68.
 2. Eliminate a 4" expansion joint. Deduct \$218.25.
- | | | |
|--|---------------------|-----------------|
| | <u>Net addition</u> | <u>\$322.43</u> |
|--|---------------------|-----------------|

Funds will be provided from Account 001, S. B. 592.

B. Addition to Campbell Hall

Plumbing Contract

It is recommended that the following changes be made:

1. Omit adjustable orifices on the 2 1/2" fire department valves in all hose cabinets. Deduct \$125.00.
 2. Furnish and install nine dental lavatories in Room 367 in Formica covered table tops. Add \$663.00.
- | | | |
|--|---------------------|-----------------|
| | <u>Net addition</u> | <u>\$538.00</u> |
|--|---------------------|-----------------|

Funds will be provided from Account 001, S. B. 592.

December 12, 1961 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

C. Laboratory of Aviation Psychology Remodeling

It is recommended that an extension of the completion date for all contracts of this project be approved from November 1 to December 15, 1961. A labor strike delayed delivery of the air handling units which resulted in delays in the completion of the other three contracts.

General Contract

It is recommended that the concrete floors be patched and repaired and asphalt tile flooring installed in Rooms 202A, 207, 309 and 309A. Add \$304.00

Heating and Ventilating Contract

It is recommended that extra flexible hose connectors be provided on the chilled water line at the chiller unit. Add \$151.00

Funds will be provided from Account 711, H. B. 390.

D. Institute of Research in Vision, Phase II

Heating and Ventilating Contract

It is recommended that a larger motor, motor plate and blower wheel be installed in the exhaust fan housing to increase the fan capacity which serves the fume hood in existing Laboratory 6A. Add \$100.00

Funds will be provided from Account 706, H. B. 390.

E. Addition to Fine Arts Building

Plumbing Contract

It is recommended that the following changes be made:

1. Relocate clay reclaimer pit; add one sludge trap at each island sink between Rooms 8 and 9 and 9 and 10; and omit the floor drain in Room 9 and connect equipment to the building drain line. Add \$210.00.
2. Omit all plumbing connections for autoclave in Design Studio on second floor of existing building. Deduct \$164.00. Add \$ 46.00

Funds will be provided from Account 001, S. B. 592.

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

F. Ice Rink, Phase III

General Contract

It is recommended that 1/8" standard
9" x 9" rubber tile flooring be provided
in Room 105.

Add \$ 106.00

Funds will be provided from Account 705, H. B. 390.

G. Repair and Pointing Stonework - Mershon Auditorium

It is recommended that the metal flashing
over two water tables around the building
be cleaned, fastened down and recaulked.

Add \$ 1,130.00

Funds will be provided from Maintenance Account 200, H. B. 390.

H. Infectious Diseases Laboratory

Plumbing Contract

It is recommended that the existing 6"
sanitary sewer line from the Van de Graaff
Laboratory around the south side of the new
building be rerouted to clear the new footing
and foundation walls.

Add \$ 140.00

Funds will be provided from Account 713, H. B. 390.

I. Law Center Building

General Contract

It is recommended that metal louvers be
provided in sixteen doors to provide proper
air circulation.

Add \$ 272.00

Funds will be provided from Account 712, H. B. 390.

J. Repair of Showers, Baker Hall

General Contract

It is recommended that the concrete around
the floor drain in the shower room on the
Second Floor be replaced and waterproofed
and the floor drain cleaned.

Add \$ 146.00

Funds will be provided from Dormitory Revenues.

December 12, 1961 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

K. Remodel Robinson Laboratory

It is recommended that the following extra orders be issued to provide 8 offices and a reception area for the Engineering Placement Office:

General Contract	\$3, 778. 00	
Heating and Ventilating Contract	1, 754. 00	
Electrical Contract	735. 00	
	<u>Total addition</u>	<u>\$6, 267. 00</u>

Heating and Ventilating Contract

It is recommended that the following changes be made:

1. Provide a 1" - 30# pressure relief valve for the water chiller unit. Add \$28. 00.
 2. Revise the piping on the condenser water tank to provide a direct drain for the tank. Add \$64. 00.
- | | | |
|--|-----------------------|------------------|
| | <u>Total addition</u> | <u>\$ 92. 00</u> |
|--|-----------------------|------------------|

Funds will be provided from Account 002, S. B. 592.

L. Administration Building Remodeling, Phase III

General Contract

It is recommended that the following changes be made:

1. Provide one coat of paint on ceilings in Offices 308 and 310. Add \$143. 00.
 2. Provide enamel finish on both sides of doors to Rooms 347D, F, G and H in lieu of natural finish. Add \$64. 00.
 3. Cut and repair walls around new wall switches and revised ventilating grilles in Room 342. Add \$40. 00.
- | | | |
|--|-----------------------|-------------------|
| | <u>Total addition</u> | <u>\$ 247. 00</u> |
|--|-----------------------|-------------------|

Funds will be provided from Account 715, H. B. 390.

M. Married Housing Project No. 2

Outside Services Contract

It is recommended that the following changes be made:

December 12, 1961 meeting, Board of Trustees

VI. EXTRAS, CREDITS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

M. Married Housing Project No. 2 (continued)

Outside Services Contract (continued)

1. Provide an earth dam and regrade the pasture area west of the project to form a flood control reservoir. Add \$9,434.00.
2. Regrade an area southeast from existing drainage ditch, at point of entry into storm sewer system, on south side of the project, to provide an emergency water course for overflow. Add \$2,585.00.

Total addition \$12,019.00

Funds will be provided from Married Housing Project No. 2 Construction Fund.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contract for the following project has been recommended for award and the action is hereby reported to the Board:

A. Motor Truck Platform Scales for Power Plant

Bids were received on November 21, 1961 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(10 bids received)		
The Fritz-Rumer-Cooke Company	\$27,025.00	\$30,000.00

Funds are provided in Account 719, H. B. 390, for this project.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above award of contract was approved and the action of the Vice President, Business and Finance, ratified by roll call vote.

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VIII. CONTROLLING BOARD APPROVAL

Each numbered approval shown below accomplishes the following purposes:

- 100 Authorizes the expenditure of \$11,000.00 for the purchase of property at 183 West Frambes Avenue, Columbus, Ohio, from Account 760 North Dormitory Land Purchases, H. B. 390.

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IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE

A. Addition to Campbell Hall - Engineering Services

It is recommended that Heapy and Associates, Engineers, Dayton, Ohio, be granted a supplement to their contract to cover Mechanical Engineering services for an air conditioning system for the existing building and improved lighting in the existing building.

The fee for this service will be 6 per cent of the contract cost of the mechanical work including supervision or an estimated fee of \$8,614.00. Funds will be provided from Account 001, S. B. 592.

Upon motion of Mr. Ketner, seconded by Mr. Loop, the above recommendation was unanimously approved.

B. Withdrawal From Dividend Reserve on Group Life Insurance

It is recommended that Vice President Carson be authorized to make application to John Hancock Mutual Life Insurance Company for the withdrawal of \$80,000.00 from the dividend reserve account on Group Life Insurance Policy No. 1305-G in order to make expenditures for supplemental retirement benefits to our emeriti in accordance with Board action of July 10, 1959; for major medical coverage for emeriti in accordance with Board action of April 10, 1959; and death benefits as approved by action of the Board of Trustees on July 11, 1955.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. Demolition of University Buildings

Upon the recommendation of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all structures located at the following addresses be demolished as soon as practical:

509, 523 and 537 Hess Road

All demolition of these buildings will be accomplished in the usual manner.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. City of Upper Arlington Street Right of Way

The City of Upper Arlington desires to increase the right of way width of McCoy Road and North Star Road adjacent to University lands as part of a street improvement program. A narrow strip of University land will be required along both streets.

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

D. City of Upper Arlington Street Right of Way (continued)

It is recommended that the Director of Public Works, pursuant to his statutory duties, be requested to negotiate right of way agreements for University lands in the best interest of the University. It is also recommended that the Secretary of the Board of Trustees be authorized to execute such documents in the name of the Board of Trustees.

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above recommendations were unanimously approved by roll call vote.

E. City of Columbus, Kinnear Road Sanitary Sewer Easement

The City of Columbus has requested permission to install a sanitary sewer line on University lands along the north side of Kinnear Road. The Executive Director, Campus Planning, and Director, Physical Plant, have both reviewed the plans and have found that the proposed sewer line will not seriously interfere with any contemplated use of the lands by the University.

It is hereby recommended that the Director of Public Works, pursuant to his statutory duties, be requested to negotiate easements or other legal agreements which are in the best interest of the University. It is also recommended that the Secretary of the Board of Trustees be authorized to execute such documents in the name of the Board of Trustees.

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above recommendations were unanimously approved by roll call vote.

F. Repairs to Concrete Curbs on the Streets on Campus - Termination of Contract

The completion date on the Vaughan Construction, Inc., contract for repairs to 2,000 lineal feet of concrete curbs on campus was August 31, 1961. The Director of Physical Plant notified Vaughan Construction that it was paramount that this work be completed not later than September 20 so that the streets would be clear prior to the beginning of Autumn Quarter but by that date only one-half of the total contract was completed.

The Attorney General of the State of Ohio has drawn up an agreement to terminate the contract at one-half the total price, or \$2,294.00, and the contractor has agreed to accept this as the amount due him for the work actually completed. It is, therefore, recommended that the necessary documents be executed and the contract terminated.

Upon motion of Mr. Ketner, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

G. Purchase of Buildings and Property, 88 West Woodruff Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from James N. Welch at a price of \$17,500.00:

December 12, 1961 meeting, Board of Trustees

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

G. Purchase of Buildings and Property, 88 West Woodruff Avenue (continued)

Property known as 88 West Woodruff Avenue, being lot #22, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 390, Account 760.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

H. Purchase of Buildings and Property, 92 West Woodruff Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Ruth V. Donnelly at a price of \$16,500.00:

Property known as 92 West Woodruff Avenue, being lot #23, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 390, Account 760.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

I. Purchase of Buildings and Property, 141 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Marguerite J. Lingrel at a price of \$15,900.00:

Property known as 141 West Frambes Avenue, being lot #106, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 390, Account 760.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

J. Purchase of Buildings and Property, 108-110-112 West Woodruff Avenue and 2074, 2076, 2078 and 2080 Peasley Street

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Sally Melton at a price of \$50,700.00:

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

J. Purchase of Buildings and Property, 108-110-112 West Woodruff Avenue and 2074, 2076, 2078 and 2080 Peasley Street (continued)

Property known as 108-110-112 West Woodruff Avenue, and 2074, 2076, 2078 and 2080 Peasley Street, being lot #28 and 20 feet off west side of lot #27, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 390, Account 760.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

K. Purchase of Buildings and Property, 149 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from John W. and Nena M. Bowen at a price of \$14,000.00:

Property known as 149 West Frambes Avenue, being lot #104, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 390, Account 760.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

L. Purchase of Buildings and Property, 145 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Sadie Williams at a price of \$13,650.00:

Property known as 145 West Frambes Avenue, being lot #105, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 390, Account 760.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

M. Acquisition of Property -- Lots Nos. 23, 30, north 1/2 of 31, 34, 35 and 107 of R. P. Woodruff's Agricultural College Addition, City of Columbus, Ohio

President Fawcett presented the following resolution for consideration by the Board of Trustees:

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

- M. Acquisition of Property -- Lots Nos. 23, 30, north 1/2 of 31, 34, 35 and 107 of R. P. Woodruff's Agricultural College Addition, City of Columbus, Ohio (continued)

WHEREAS, The Ohio State University has acquired certain parcels of real property located north of Woodruff Avenue and to this extent has extended its northerly boundary north of Woodruff Avenue; and

WHEREAS, the University, in planning to meet a portion of the needs of its students and its programs from the standpoint of dormitory, educational, research and service facilities, will be required to acquire most, if not all, of the land lying between Woodruff Avenue on the south, Tuttle Park Place on the west, Lane Avenue on the north and High Street on the east; and

WHEREAS, the University has a general development plan for the area which has been approved and in which sites for North Dormitory Project Buildings Nos. 3, 4, 5 and 6 have been established; and

WHEREAS, Section 3345.07 Ohio Revised Code provides for the construction and operation of dormitories for students and faculty, including acquisition of sites, by the Board of Trustees of The Ohio State University; and

WHEREAS, the University has arranged for the necessary financing for construction and detailed construction drawings and specifications are being completed; and

WHEREAS, the Trustees of The Ohio State University deem that suitable new dormitory facilities are mandatory in meeting the needs of the University and serving the people of the State of Ohio; and, therefore, find it necessary to proceed with the acquisition of real property therefor; and

WHEREAS, said Board of Trustees acting through the Office of Business and Finance of the University has been unable to negotiate for the purchase of said real estate hereinafter set forth;

NOW BE IT RESOLVED, that pursuant to his statutory authority, the Director of Public Works for and on behalf of said Board of Trustees be requested to take steps to acquire by condemnation, for the State of Ohio and said University, the following described real estate all located in the City of Columbus, County of Franklin, and State of Ohio:

Number 1

Lot No. 23, R. P. Woodruff's Agricultural College Addition, City of Columbus, Franklin County, Ohio, and commonly known as 92 West Woodruff Avenue. Owner of record is Ruth V. Donnelly.

Number 2

Lot No. 30 and north 1/2 of Lot No. 31, R. P. Woodruff's Agricultural College Addition, City of Columbus, Franklin County, Ohio, and commonly known as 124 West Woodruff Avenue. Owners of record are J. B. and Irene O. Maynard.

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

M. Acquisition of Property -- Lots Nos. 23, 30, north 1/2 of 31, 34, 35 and 107 of R. P. Woodruff's Agricultural College Addition, City of Columbus, Ohio (continued)

Number 3

Lots Nos. 34 and 35, R. P. Woodruff's Agricultural College Addition, City of Columbus, Franklin County, Ohio, and commonly known as 144 West Woodruff Avenue. Owner of record is Helen S. Legg.

Number 4

Lot No. 107, R. P. Woodruff's Agricultural College Addition, City of Columbus, Franklin County, Ohio, and commonly known as 135 West Frambes Avenue. Owners of record are Helen S. Legg (Life Estate) and Eugene F. Kepke, Sr. (Remainder).

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above resolution was unanimously approved by roll call vote.

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X. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of William Guy Hinton, Jr., Assistant Professor of Music, and Wilmer Garfield Stover, Professor Emeritus of Botany and Plant Pathology, and in accordance with instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished to the families of the deceased.

A. William Guy Hinton, Jr.

The Board of Trustees expresses its sorrow at the death on November 11, 1961, of William Guy Hinton, Jr., Assistant Professor of Music.

Dr. Hinton was born in Dayton, Ohio, on April 25, 1919. He received his Bachelor of Science Degree in Education at the University of Dayton in 1943, his Master of Music Degree at The University of Michigan in 1952, and his Ph. D. Degree at The Ohio State University in 1960. His education also included study at the Naples, Italy, Conservatory of Music in 1951.

Dr. Hinton's wide variety of professional experiences prepared him well for the position which he held at the University. He served as a Lieutenant Junior Grade in the United States Navy during the Second World War (1943-1946). In 1946 he was appointed to the position of Director of Music Education in the Randolph School in Englewood, Ohio, a position he held until 1950. He was then recalled into military service as a Lieutenant in the United States Navy during the Korean Conflict (1950-1951). In 1952 he was appointed Chairman of the Department of Music and Assistant Professor of Music at Wilmington College (Ohio), a post he occupied until 1956. During this period he also served as Supervisor of Music Education for the Clinton County Schools.

December 12, 1961 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

A. William Guy Hinton, Jr. (continued)

In October 1956 Mr. Hinton began his doctoral studies at The Ohio State University. He was appointed Instructor in Music Education in 1957 and received the rank of Assistant Professor in 1960.

Dr. Hinton was a member of the Ohio Music Education Association and in 1961 served as the Director of the State High School Music Competitions. He was also a member of the Music Educators National Conference and at the time of his death was serving as the faculty sponsor of the student chapter of the Music Educators National Conference. He was a member of the National Association of Teachers of Singing and Pi Kappa Lambda, national honorary music fraternity.

Dr. Hinton was always interested in affairs of the church and had been active as the Director of Music in a number of churches, the most recent being the First Baptist Church of Columbus, Ohio, where he served as the Minister of Music. Dr. Hinton was a specialist in the field of music education and was particularly well known for his study of the problems of vocal music in the training of future music educators. During his brief period at the University, he exerted a strong influence upon the students with whom he came in contact. He was admired and respected by his students and by his professional colleagues.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Wilmer Garfield Stover

The Board of Trustees expresses its sorrow at the death on November 3, 1961, of Wilmer Garfield Stover, Professor Emeritus of Botany and Plant Pathology.

Dr. Stover was born on October 3, 1881, in Hancock County, Ohio. He received his A. B. degree from Miami University in 1909, his A. M. degree from the same institution in 1910, and his Ph.D. degree from The University of Wisconsin in 1921.

Dr. Stover spent almost his entire professional career in the service of The Ohio State University. Starting in 1910 when he first became an Instructor in the Department of Botany and Plant Pathology of the University, he served continuously on the staff except for one year, 1911-12, when he held a position as Assistant Professor of Botany at the Oklahoma Agricultural and Mechanical College. He rose successively through the academic ranks, becoming an Assistant Professor in 1914, a Professor in 1922, and an Emeritus Professor in 1952.

Professor Stover was a dedicated teacher, well liked and highly respected by both students and faculty. His greatest contributions to the University were made in the classroom. As a member of the faculty of the Department of Botany and Plant Pathology, he taught courses in General Botany, Mycology

X. RESOLUTIONS IN MEMORIAM (continued)

B. Wilmer Garfield Stover (continued)

and Plant Pathology. For several years he also served part time as an Extension Plant Pathologist and made many friends throughout the State of Ohio as a result of his effectiveness in this capacity.

Dr. Stover's major scientific interest was in the fleshy fungi, especially the Agaricaceae, and his monograph on this group, although written in 1911, is still widely consulted. A number of graduate students obtained advanced degrees in either Mycology or Plant Pathology under Dr. Stover, and some of these persons occupy prominent positions in this country today.

Wilmer Garfield Stover was a man of broad interests. He was active in various phases of community life, and especially in church work. He was interested in people, a trait of his which was instinctively recognized by other persons and which put him on a friendly basis with many individuals both in and out of the academic world.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XI. REPORTS

A. Dr. T. S. Sutton Designated Acting Dean in
Absence of Dean Roy M. Kottman

President Fawcett reported that, in accordance with the authority provided in ICA Contract No. W-630, Article 14, Dean Roy M. Kottman has completed arrangements for an inspection trip to India for the period January 7 through February 18, 1962, and it is hereby recommended, with the concurrence of Dean Kottman, that Associate Dean T. S. Sutton be designated as the Acting Dean, College of Agriculture and Home Economics, during the absence of the Dean.

B. Report on Investment Portfolio

The report on the University's Investment Portfolio dated November 30, 1961, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Friday, January 12, 1961, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX V
THE OHIO STATE UNIVERSITY COMMENCEMENT
December 15, 1961

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GRADUATE SCHOOL

Acting Dean: RICHARD ARMITAGE

Doctor of Philosophy

- John Spencer Abma, A.B. (Oberlin College); M.A. (Michigan State University)Columbus
Dissertation: The Auditory Encoding of Printed Characters
Field of Specialization: Psychology
- Carl Albert Alexander, B.S., M.S. (Ohio University).....Grove City
Dissertation: Vapor-Solid Equilibria in the Uranium Oxide-Oxygen System
Field of Specialization: Ceramic Engineering
- Elisabeth Higgins Ambellan, B.S., A.M. (Columbia University)New York, N. Y.
Dissertation: The Effect of Nucleotides on Morphogenesis and Ribonucleic Acid Synthesis in Amphibian Embryos
Field of Specialization: Agricultural Biochemistry
- Hanns Kurt Anders, A.B. (Oberlin College); M.Sc.....Bowling Green
Dissertation: The Minimum Thickness of Copper That Must Be Plated on a Platinum Electrode to Make It Behave Like a Copper Electrode
Field of Specialization: Chemistry
- Stanley Wolff Angrist, B.S. (Agricultural and Mechanical College of Texas); M.Sc.....Dallas, Tex.
Dissertation: The Direct Conversion of Heat to Electricity by Means of a Nernst Effect Thermomagnetic Generator
Field of Specialization: Mechanical Engineering
- Sarah Sherman Appleton, A.B. (Vassar College); M.A.....Columbus
Dissertation: Theology and Poetry in the Middle English Lyric
Field of Specialization: English
- Maurice Edward Baker, B.S. Agr., M.S. (Purdue University)Cambridge City, Ind.
Dissertation: An Analysis of the Sale of Cut Flowers and Potted Plants through Supermarkets
Field of Specialization: Agricultural Economics and Rural Sociology
- Richard Homer Barbe, B.S. in Ed. (Miami University); M.A...Wellington
Dissertation: An Estimation and Examination of the Structural Element of Prose Writing
Field of Specialization: Education
- William Ray Barlow, A.B., M.A. (Ohio University)Senecaville
Dissertation: Congress during the War of 1812
Field of Specialization: History
- Charlotte Wolff Baumgartner, B.S. (New Jersey College for Women); A.M. (Columbia University); M.A. (Western Reserve University)Ithaca, N. Y.
Dissertation: Factors Associated with Clothing Consumption among College Freshmen
Field of Specialization: Home Economics
- Donald Carl Berndt, B.Sc.....Toledo
Dissertation: The Kinetics and Mechanism of the Reaction of Hydrozoic Acid with Substituted Naphthoic Acids
Field of Specialization: Chemistry

- Robert Poston Caren, B.Sc., M.Sc.....Cincinnati
*Dissertation: A Pure Vapor Cloud Chamber for the Study of Electron
 Avalanches in Argon*
Field of Specialization: Physics
- Fred Lutz Casimir, B.A. (David Lipscomb College, Tennessee); M.A.
 Columbus
Dissertation: Hitler: A Study in Persuasion
Field of Specialization: Speech
- Thomas Edward Charlton, B.S. in E.E. (University of Notre Dame); M.Sc.
 Whitehaven, Tenn.
Dissertation: An Analysis of Antennas Confronted by Obstacles
Field of Specialization: Electrical Engineering
- Sam Ray Coriell, B.Sc.....Greenfield
*Dissertation: Raman and Infrared Spectra of Deuterated Pentaborane
 Frequency Assignment and Normal Coordinate Analysis
 for Normal and Deuterated Pentaborane*
Field of Specialization: Chemistry
- Alfred Alexander Cox, B.S.E. (Arkansas State Teachers College);
 M.B.A. (University of Arkansas).....Conway, Ark.
*Dissertation: The Marketing of New Automobiles by Franchised Deal-
 ers with Special Reference to Sales Management Policies
 and Practices*
Field of Specialization: Business Organization
- Paul Robinson Curtis, B.A. (College of Wooster); M.Sc.....Columbus
*Dissertation: Transduction in Group III Strains of Staphylococcus
 aureus*
Field of Specialization: Microbiology
- Alfred Eugene Diamond, B.S. (United States Military Academy); M.A.
 Columbus
*Dissertation: The Establishment of a State Civil Defense Structure:
 A Problem in Government Responsibilities and Inter-
 governmental Relationships, with Special Reference to
 Ohio*
Field of Specialization: Political Science
- Dean George Dillery, B.Sc., M.Sc.....Fostoria
*Dissertation: Food Habits of Savannah and Grasshopper Sparrows in
 Relation to Foods Available*
Field of Specialization: Zoology
- Michael Chen-Chiang Fong, B.S. (Bowling Green State University); M.Sc.
 Columbus
*Dissertation: A Theoretical Analysis of Transpiration Cooling in Lam-
 inar and Turbulent Boundary Layers and Channel Flows*
Field of Specialization: Aeronautical and Astronautical Engineering
- Robert Martin Frumkin, B.A. (Upsala College, New Jersey); M.A.
 Newark, N. J.
*Dissertation: Preferences for Traditional and Modern Painting: An
 Empirical Study*
Field of Specialization: Sociology
- Grace R. Frye, B.S. (University of Toledo); M.Sc.....Toledo
*Dissertation: The Effect of Various Substrates on the Deposition of
 Reserve Food Material by the Rumen Ciliate Protozoa
 Isotricha*
Field of Specialization: Microbiology

- Ralph Edward Gauvey, B.Sc. in Edu., M.Edu.....Urbana
Dissertation: The Formulation of a Method for the Self-Study of a Total College Program
Field of Specialization: Education
- Peter Jacob Gielisse, M.S. (Boston College).....West Newton, Mass.
Dissertation: Investigation of Phase Equilibria in the System Alumina-Boron Oxide-Silica
Field of Specialization: Mineralogy
- Phillip Howard Gifford II, B.Ch.E., M.Sc.....Urbana
Dissertation: Sorption Kinetics of Organic Vapors on Extended Surface Solids
Field of Specialization: Chemical Engineering
- John Thomas Hackett, B.S. in Bus., M.B.A. (Indiana University).....Kalamazoo, Mich.
Dissertation: Concentration in Banking in Ohio during the Postwar Period
Field of Specialization: Business Organization
- Stanley Philip Hart, B.S. (Cornell University); M.Sc.....Columbus
Dissertation: An Analysis of Facilities and Operations of Livestock Dealers and of Local Markets in the North Central Region
Field of Specialization: Agricultural Economics and Rural Sociology
- David Harry Hirsch, B.A., A.M. (New York University) ... Brooklyn, N. Y.
Dissertation: The Intellectual in the American Novel, 1792-1860: A Study in the Search for Reality and Form
Field of Specialization: English
- Howard Burdette Huffman, B.S. in Edu. (Wilmington College); M.B.A. (University of Denver).....Bowling Green
Dissertation: Investment Policies of Ohio Property-Liability Insurance Companies
Field of Specialization: Business Organization
- Eugene Carlyle Johnsen, B.Chem. (University of Minnesota).....Minneapolis, Minn.
Dissertation: Matrix Rational Completions Satisfying Generalized Incidence Equations, and Integral Solutions to the Incidence Equation for Finite Projective Plane Cases of Orders $n \equiv 2 \pmod{4}$
Field of Specialization: Mathematics
- Violet Hamesh Dass Kalyan-Masih, B.A. (University of Punjab); B.T., M.A. (Agra University); M.A. (University of Minnesota).....Delhi, India
Dissertation: A Non-verbal Group Intelligence Test for Seventh, Eighth, and Ninth Grades
Field of Specialization: Education
- Wilson William Kalyan-Masih, B.Sc. (Delhi University); M.Sc. (Nagpur University)Delhi, India
Dissertation: Radioactive Decay of $Os^{188} + \alpha$
Field of Specialization: Physics
- Emma Louise Holmes Kittles, B.S. (Florida Agricultural and Mechanical College); M.Sc.....Tallahassee, Fla.
Dissertation: The Importance of Clothing as a Status Symbol among College Students
Field of Specialization: Home Economics
- Gordon Charles Kresheck, B.Sc. in Dairy Tech., M.Sc.....Middletown
Dissertation: Changes in Milk Proteins at Elevated Temperatures as Determined by Light Scattering
Field of Specialization: Dairy Technology

- Manrique Lara-Tomas, Ing.Civil (University of Costa Rica); M.Sc.
 San Jose, Costa Rica
*Dissertation: Research on the Time-dependent Deformation of Clay
 Soils under Shear Stress*
Field of Specialization: Civil Engineering
- Charles J. Lees, A.B. (University of Dayton); M.A. (University of
 Pittsburgh) Akron
Dissertation: The Poetry of Walter Haddon, Edited and Translated
Field of Specialization: English
- Terrill Jewett Long, B.S.A. (Ohio University); M.Sc. Newark
*Dissertation: Inhibitor Studies of Normal and Abnormal Sporocarp
 Development in the Mushroom Collybia velutipes*
Field of Specialization: Botany and Plant Pathology
- George Steve Malindzak, Jr., A.B. (Western Reserve University); M.Sc.
 Columbus
*Dissertation: A Digital Computer Analysis of Some Transmission
 Line Characteristics of the Mammalian Arterial System*
Field of Specialization: Physiology
- Joseph Paul Martino, A.B. (Miami University); M.S. (Purdue
 University) Warren
*Dissertation: Minimum-Expected-Cost Filters for Arbitrary Cost
 Functions*
Field of Specialization: Mathematics
- Donald Earle Maynard, B.A. (University of Buffalo); M.S. (University
 of Kentucky) Rochester, N. Y.
*Dissertation: Isolation and Identification of the Acid-soluble Nucleo-
 sides and Nucleotides of Penicillium charlesii*
Field of Specialization: Agricultural Biochemistry
- Robert Edward Mitchell, B.A., B.Sc. in Edu., M.A. Columbus
*Dissertation: The Genesis, Sources, Composition, and Reception of
 Voltaire's Mahomet*
Field of Specialization: Romance Languages (French)
- Hratch Sebouh Papazian, B.C.E. (American University of Beirut); M.Sc.
 Baghdad, Iraq
*Dissertation: The Response of Linear Viscoelastic Materials in the
 Frequency Domain*
Field of Specialization: Civil Engineering
- Howard Wilbur Pickering, Met.Engr. (University of Cincinnati); M.Sc.
 Parma
*Dissertation: Wedging Action of Solid Corrosion Product as Related
 to the Energy Expended in the Stress Corrosion Cracking
 of Austenitic Stainless Steels*
Field of Specialization: Metallurgical Engineering
- John Racin, Jr., A.B. (Stanford University) Lakewood
*Dissertation: An Analysis of Sir Walter Raleigh's The History of the
 World*
Field of Specialization: English
- Robert Francis Redmond, B.S.Ch.E. (Purdue University); M.S.
 (University of Tennessee) Columbus
*Dissertation: Studies of Nuclei with the Collective Model of the Nu-
 cleus and Intermediate Coupling*
Field of Specialization: Physics
- George Wesley Rice, B.A. (Ohio Wesleyan University); M.A. Metamora
*Dissertation: The Soviet Position on Dependent Territories in the
 United Nations*
Field of Specialization: Political Science

- Dorothy Marie Rowe, B.S. (Madison College, Virginia); M.Sc.
Hagerstown, Md.
Dissertation: The Thiamine, Riboflavin, and Niacin Content of Chicken Muscle as Affected by Freeze-drying
Field of Specialization: Home Economics
- Om Sagar Sahgal, B.E. (University of Roorkee, India); D.I.C. (Imperial College of Science and Technology); M.Sc. (University of London, England) Jullundur City, Punjab, India
Dissertation: The Applications of Photogrammetry to Highway Engineering in the Southeast Asian Region
Field of Specialization: Civil Engineering
- J. Michael Skaates, B.Ch.E. (Case Institute of Technology); M.Sc. ... Urbana
Dissertation: Liquid-Vapor Phase Behavior in the Critical Region of the Binary Systems Benzene with n-Alcohols
Field of Specialization: Chemical Engineering
- Marian Kinnaird Solleder, A.B. (Oberlin College); M.A. (State University of Iowa) Columbus
Dissertation: Factors Influencing the Use of the University Health Service by Students at The Ohio State University
Field of Specialization: Physical Education (Health Education)
- Robert Wilber Spalding, B.S. in Agr., A.M. (University of Missouri) Ithaca, N. Y.
Dissertation: Some Effects of Service Period and Dry Period on Milk and Butterfat Production
Field of Specialization: Dairy Science
- Robert Ellsworth Taylor, B.S. in Agr., M.S. (University of Arizona) Grants Pass, Ore.
Dissertation: An In-Service Education Program for State Supervisors of Vocational Education in Agriculture
Field of Specialization: Agricultural Education
- Thomas Richard Tegenkamp, B.Sc. in Agr., M.Sc. Xenia
Dissertation: Phenomena Associated with Hereditary Albinism in Avena
Field of Specialization: Botany and Plant Pathology
- Robert Granville Thrower, B.S. in I.A., M.I.A. (North Carolina State College) Rocky Mount, N. C.
Dissertation: The Status and Adequacy of Industrial Arts Programs in the Public Secondary Schools of North Carolina
Field of Specialization: Education
- Bunyut Vimoke-Suntava, B.S. (Louisiana State University and Agricultural and Mechanical College); M.Sc. Bangkok, Thailand
Dissertation: Use of an Electrical Resistance Network in Solving Problems of Steady State Flow of Water in Soil
Field of Specialization: Agronomy
- John Wesley Walcott, B.S.E. (Ae.E.), A.M. (University of Michigan) Rio Grande
Dissertation: Graduate Students as Part-Time Teachers at The Ohio State University
Field of Specialization: Education
- George Ward II, A.B. (West Virginia University); A.M. (Harvard University); A.M. (West Virginia University) .. Fairmont, W. Va.
Dissertation: A Study of Delayed Secondary Reinforcement
Field of Specialization: Psychology

- Charles Edward Weaver, B.S. in Ed., A.M. (Wittenberg University) Dublin
Dissertation: An Analysis of the Selective Perceptions of Professional Educators Regarding Various Aspects of Guidance Services in Selected Ohio High Schools
Field of Specialization: Education
- Earl Louis Wiener, B.A. (Duke University); M.A. Shreveport, La.
Dissertation: Knowledge of Results and the Monitoring Problem
Field of Specialization: Psychology
- Beth Louise Wismar, B.S., M.S. (Western Reserve University) Rocky River
Dissertation: The Embryonic Development of the Juxtaglomerular Complex
Field of Specialization: Anatomy
- Charles Yembrick, Jr., B.Sc. Youngstown
Dissertation: The Oxidative Condensation of Ortho-Aminophenols to Form Aminophenoxazones
Field of Specialization: Chemistry
- Frank J. Zidonis, A.B. (John Carroll University); B.Sc. in Edu., M.A. Cleveland
Dissertation: The Role of Linguistics in the High-School English Program
Field of Specialization: Education
 (Sixty-two candidates)

Master of Arts

- Eugene Kenneth Bay, B.Sc. in Edu. Columbus
Field of Specialization: Education
- John Stuart Beltz, A.B. (Denison University) Cleveland
Field of Specialization: History
- Lloyd David Bowman, Jr., A.B. (University of California, Berkeley) Smithsburg, Md.
Field of Specialization: Political Science
- Jacquelyn Medford Byers, B.S. (Johnson C Smith University) Bluefield, W. Va.
Field of Specialization: Education
- Duncan Hill Campbell, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Kathleen Howell Shawber Carrick, B.Sc. in H.E. Tiffin
Field of Specialization: Home Economics (Education)
- Herbert Franklin Collier, B.S. in Ed. (Bowling Green State University) Reynoldsburg
Field of Specialization: Education
- Laurence Ruel Connor, B.Sc. in Jour. Columbus
Field of Specialization: Journalism
- Garnetta Bowen Cotsamire, B.S. in Ed. (Bowling Green State University) Bucyrus
Field of Specialization: Education
- Paul Jefferson Cox, B.Sc. in Bus. Adm. Benton Harbor, Mich.
Field of Specialization: Economics
- Robert Louis Damm, B.A. Toledo
Field of Specialization: History

- Edwin Richard Daniels, B.Sc. in Edu.....Mt. Vernon
Field of Specialization: Education
- Neva Ilene Deemer, B.Sc. in Edu.....Columbus
Field of Specialization: Sociology (Anthropology)
- William Dingeldein, B.A.Kent
Field of Specialization: Political Science
- Robert William Donovan, B.A. (Duquesne University)Pittsburgh, Pa.
Field of Specialization: Speech
- Richard Roger Dudt, B.A., M.A. (University of Allahabad)
Allahabad, India
Field of Specialization: English
- Virginia Grace Faud, B.S. (Baldwin-Wallace College)Lakewood
Field of Specialization: Home Economics (Education)
- Richard Byron Fisher, B.S. in Ed. (Capital University)Circleville
Field of Specialization: Education
- Edward Lyle Fox, B.Sc. in Edu.....Dayton
Field of Specialization: Physical Education
- Marcia Jean Freed, B.A. (Swarthmore College)Minneapolis, Minn.
Field of Specialization: German
- Charles George Fry, A.B. (Capital University)Circleville
Field of Specialization: History
- Hermene Carol Ginsburg, A.B. (Syracuse University)Granville, N. Y.
Field of Specialization: Psychology
- Philip A. Gray, A.B. (Ohio Northern University)Bellville
Field of Specialization: Speech
- Emmett Davies Graybill, Jr., B.A. (Kenyon College)Massillon
Field of Specialization: Political Science
- Vernon Chadwick Hall, B.Sc. in Ed. (University of Nebraska)
Lincoln, Nebr.
Field of Specialization: Psychology
- Maudelle Alice Harris, B.S. (Tougaloo College)Tougaloo, Miss.
Field of Specialization: Education
- Benson Hambleton Hart, B.A. (Haverford College)Hudson
Field of Specialization: Economics
- Jeannette Hillman Henney, B.A., B.Sc. in Edu.....Columbus
Field of Specialization: Sociology (Anthropology)
- Frances Aileen Hill, B.A. (University of Florida)Gainesville, Fla.
Field of Specialization: Psychology
- Richard Bruce Hinely, B.A. (DePauw University)Youngstown
Field of Specialization: History
- Bennie Wilton Howe, B.A. (Lynchburg College)Springfield
Field of Specialization: History
- Wallace Potts Hoyt, B.Sc. in Edu.....Port Clinton
Field of Specialization: Education
- Robert Francis Kessler, B.Mus. Ed. (Capital University)Columbus
Field of Specialization: Music
- Suzette Claire Kettler, B.S. (Columbia University)Columbus
Field of Specialization: Speech

- Ho-Seong Lee, B.A., M.A. (Dong Kook University)Seoul, Korea
Field of Specialization: Education
- Sister Mary Nathanael Lozier, B.S. Mus.Edu. (College of Saint Mary
of the Springs)Columbus
Field of Specialization: Music
- Arlen Dwight McRill, B.Sc. in Agr.....Vanlue
Field of Specialization: Agricultural Education
- Carlos Edwin Muncy, Jr., B.A. (George Peabody College for Teachers)
Columbus
Field of Specialization: Education
- James William Parker, B.A. (Muskingum College)Belmont
Field of Specialization: Education
- Marlene White Rein, B.S. (Michigan State Normal College)
East Detroit, Mich.
Field of Specialization: Education
- Arthur George Robson, A.B. (John Carroll University)Elyria
Field of Specialization: Classical Languages (Latin)
- Gene Albert Shea, B.S. (Olivet Nazarene College)Cincinnati
Field of Specialization: Accounting
- Kenneth Joseph Smith, A.B. (University of Dayton)Dayton
Field of Specialization: Sociology
- Ronald Orrin Smucker, B.A. (Goshen College)Columbus
Field of Specialization: Education
- Clinton Ezra Tatsch, A.B. (Marion College, Indiana)Westerville
Field of Specialization: Education
- Helen Dunton Thurston, B.A.....Columbus
Field of Specialization: Political Science
- Tariho Utsunomiya, B.A. (Kobe University)Nishinomiya, Japan
Field of Specialization: Speech
- Joseph Lenious von der Weis, B.Sc. in Edu.....Port Clinton
Field of Specialization: Education
- Theresa Bradfield Wadsworth, A.B. (Valparaiso University)Zanesville
Field of Specialization: Education
- Charles Wendell Wagner, B.S. in Ed. (Wilmington College)Chillicothe
Field of Specialization: Education
- Lewis Walker, B.A. (Wilberforce University)Fairfield, Ala.
Field of Specialization: Sociology
- Luke Stephens Watson, Jr., B.S. (University of Georgia)Athens, Ga.
Field of Specialization: Psychology
- Fredric Weizmann, A.B. (Hiram College)Warren
Field of Specialization: Psychology
- Daniel Yutzy, B.A. (Eastern Mennonite College)Plain City
Field of Specialization: Sociology

(Fifty-four candidates)

Master of Business Administration

- Charles Arthur Beitz, Jr., B.A. (LaSalle College)Philadelphia, Pa.
Field of Specialization: Business Organization

- Richard Lee Booth, B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Business Organization
- Daniel Richard Butler, B.A. (Ohio Wesleyan University)Marion
Field of Specialization: Business Organization
- Constantine Danellis, B.Sc. in Bus.Adm.....Athens, Greece
Field of Specialization: Business Organization
- Donald Joseph Dimberio, B.B.A. (University of Notre Dame)Wickliffe
Field of Specialization: Business Organization
- Fath El-Bab Galal Fath El-Bab, B.Com. (Cairo University) ..Cairo, Egypt
Field of Specialization: Business Organization
- George Allan Johnson, B.S. (North Dakota Agricultural College) ..Dayton
Field of Specialization: Business Organization
- Donald Patrick McArdle, A.B. (Allegheny College)Columbus
Field of Specialization: Business Organization
- Vincent Paul McDonald, A.B. (Providence College)Lincoln, R. I.
Field of Specialization: Business Organization
- Stephen Myron Penner, B.S. in Bus. (Miami University)Youngstown
Field of Specialization: Business Organization
- Roderick Noah Purcell, Jr., B.Sc. in Bus.Adm.....Worthington
Field of Specialization: Accounting
- Tej Partap Singh Suri, B.Sc. (University of the Panjab)
 Calcutta, West Bengal, India
Field of Specialization: Business Organization
- Richard Dillon Teach, B.Sc. in Agr.....Springfield
Field of Specialization: Business Organization
- Herbert Walter Voegel, B.Sc. in Bus.Adm.....Dayton
Field of Specialization: Accounting
 (Fourteen candidates)

Master of City Planning

- James Morris Hinzdel, A.B. (Miami University)Lakewood
Field of Specialization: Architecture (City Planning)
- Clyde DeVere Robbins, B.S. (New York State College of Forestry)
 Columbus
Field of Specialization: Architecture (City Planning)
 (Two candidates)

Master of Education

- John Page Baber, B.S. (University of Cincinnati)Columbus
Field of Specialization: Education
- Marvin Eugene Baker, B.Sc. in Edu.....Hilliard
Field of Specialization: Education
- Mary Ann Faieta, B.S. (Waynesburg College)Willoughby
Field of Specialization: Education
- Jack Chester Hansher, B.S.Edu. (Olivet Nazarene College)Columbus
Field of Specialization: Education
- Julian Shumate Moreland, B.Sc. in Edu.....Columbus
Field of Specialization: Education

- Loren Britton Roberts, B.Sc. in Edu.....Shaker Heights
Field of Specialization: Education
- Donald Frederick Stewart, B.Sc. in Edu.....Columbus
Field of Specialization: Education
 (Seven candidates)

Master of Medical Science

- John Thomas Goswitz, M.D. (Marquette University)Columbus
Field of Specialization: Surgery
- Peter Klaus Kottmeier, M.D. (Ludwig-Maximilian University of Munich)
Columbus
Field of Specialization: Surgery
- Alva Burton Payne, B.Sc., M.D.....Ironton
Field of Specialization: Surgery
 (Three candidates)

Master of Science

- Larry Lincoln Abels, A.B. (Knox College)Polo, Ill.
Field of Specialization: Physics
- Abdel Halim Mohamed El-Sayed Affi, B.Sc. (Alexandria University)
Alexandria, Egypt
Field of Specialization: Pharmacy
- Robert Lee Alt, B.S. (Capital University)Columbus
Field of Specialization: Physics
- Jane Loebig Andre, B.W.E.....Columbus
Field of Specialization: Electrical Engineering
- *Robert Lester Armitage.....Gibsonburg
Field of Specialization: Civil Engineering
- Robert Tomlinson Ault, B.S. in M.E. (University of Vermont)Dayton
Field of Specialization: Metallurgical Engineering
- Robert Marcus Baldwin, B.S. Pharm. (University of Toledo)Bellevue
Field of Specialization: Pharmacy
- Linneu Da Costa Barbosa, Ing. (Escola Politecnica de Sao Paulo)
Sao Paulo, Brazil
Field of Specialization: Electrical Engineering
- *Donald Edward Barrick.....Tiffin
Field of Specialization: Electrical Engineering
- Alan Wales Biermann, B.E.E.....Piqua
Field of Specialization: Electrical Engineering
- Joseph Bohandy, B.Sc.....Barnesville
Field of Specialization: Physics
- *James Waugh Bowers.....Solon
Field of Specialization: Chemical Engineering
- Edward Herriot Brown, Jr., B.S. (Michigan State University)Ashley
Field of Specialization: Zoology
- Melvin LeRoy Buck, B.Aero.E. (University of Detroit)Dayton
Field of Specialization: Aeronautical and Astronautical Engineering

* Two degrees

- William Burke, B.Agr.Sc. (University College, Dublin, Ireland)
Malahide, County Dublin, Ireland
Field of Specialization: Agronomy
- Charles Chabert Capen, D.V.M. (Washington State University)
Yelm, Wash.
Field of Specialization: Veterinary Pathology
- Charles Yu-Cheng Chen, B.Sc. in Phys.....Taipei, Taiwan, China
Field of Specialization: Physics
- Pauline Marilyn Clyde, B.S. in H.Ec. (Carnegie Institute of Technology)
Pittsburgh, Pa.
Field of Specialization: Preventive Medicine
- Richard Berkey Cooper, B.Ch.E.....Columbus
Field of Specialization: Chemical Engineering
- Elson Leroy Craig, B.Sc.....Columbus
Field of Specialization: Anatomy
- Purnendu Datta, B.Sc., M.Sc. (University of Dacca)
Calcutta, West Bengal, India
Field of Specialization: Physiological Chemistry
- James Kent DeVoe, B.I.E.....Lima
Field of Specialization: Industrial Engineering
- Kundan Singh Dhillon, B.V.Sc. (Panjab University)
Thathi-Khara, Panjab, India
Field of Specialization: Veterinary Physiology
- Robert White Donohoe, B.S. (Marietta College).....Pelham, N. Y.
Field of Specialization: Zoology
- Mack Wayne Dowdy, B. of M.E. (Georgia Institute of Technology)
Pitts, Ga.
Field of Specialization: Mechanical Engineering
- Paul William Dutenhaver, B.Sc. in Agr.....Malvern
Field of Specialization: Agricultural Education
- Dale Clifford Edwards, B.Ch.E.....Barberton
Field of Specialization: Chemical Engineering
- Khalil Ayad Senada El Maraghy, B.Sc. (Cairo University) ...Cairo, Egypt
Field of Specialization: Chemistry
- George William Enlow, B.S. (Lincoln University).....St. Louis, Mo.
Field of Specialization: Horticulture
- Billie Lincoln Fletcher, A.B. (University of California at Los Angeles)
Columbus
Field of Specialization: Physics
- Douglas Gordon Fratianna, A.B. (Western Reserve University)
Cleveland Heights
Field of Specialization: Botany and Plant Pathology
- David Lawrence Fritzsche, B.E.E.....Homerville
Field of Specialization: Electrical Engineering
- Ann Julia Gaiser, B.Sc. in Nurs.....Muncie, Ind.
Field of Specialization: Nursing

- David Miller Gillespie, B.Sc. in Agr.....Sidney
Field of Specialization: Zoology
- Russell Arthur Graham, B.A. (Clark University)Worcester, Mass.
Field of Specialization: Physics
- Yale Gressel, B.Sc. in Phar.....Cleveland
Field of Specialization: Pharmacy
- Philip Lloyd Grover, B.Sc. in Agr.....Hillsboro
Field of Specialization: Agricultural Economics and Rural Sociology
- William Frank Haagen, B.E.E.....Columbus
Field of Specialization: Electrical Engineering
- David Eppler Hazlebeck, B.Ch.E. (University of Cincinnati) ...Portsmouth
Field of Specialization: Chemical Engineering
- Ramachandra Kuppayya Hegde, B.Sc. (Ag.) (Karnatak University);
M.Sc. (Agr.) (University of Poona)
Kumla, North Kanara, Mysore, India
Field of Specialization: Botany and Plant Pathology
- Federico Hernandez, Engr. (National University of Guatemala)
Guatemala City, Guatemala, C. A.
Field of Specialization: Geodetic Science
- Joan Louise Hill, B.S. (University of Wyoming)Soudan, Minn.
Field of Specialization: Home Economics
- John Haptonstall Hill, B.S. (Yale University)Oak Hill, W. Va.
Field of Specialization: Physics (Astronomy)
- *David Lane Horn, A.B. (Oberlin College)Columbus
Field of Specialization: Agricultural Engineering
- Charles Roger Huhn, Jr., B.A., B.S. (Otterbein College)Westerville
Field of Specialization: Mathematics
- Richard Martin Humes, B.S. (Pennsylvania State University)
Ford City, Pa.
Field of Specialization: Physics
- Audrey Maloney Johnson, B.Sc. in H.E.....Springfield
Field of Specialization: Home Economics
- Carleton Haddock Jones, Jr., B.A. (Johns Hopkins University) ...Columbus
Field of Specialization: Physics
- Henry Paul Kalapaca, B.S. (University of Illinois)Dayton
Field of Specialization: Physics
- Nicholas LeRoy Karmele, B.S. in M.E. (Northwestern University)
Kettering
Field of Specialization: Mechanical Engineering
- George Martin Kelly, B.Sc.....Longmeadow, Mass.
Field of Specialization: Entomology
- Coletta Anna Klug, B. S. in Nur. (University of Buffalo) ..Proctor, W. Va.
Field of Specialization: Nursing
- Robert Moses Kolodny, B.A. (Boston University)Boston, Mass.
Field of Specialization: Horticulture
- Robert Anthony Krakowski, B.Ch.E.....Cleveland
Field of Specialization: Chemical Engineering
- Sigurd Olav Kvaale.....Oslo, Norway
Field of Specialization: Geodetic Science

* Two degrees

- Ronald Victor Lam, B.D.S., M.D.S. (University of Malaya)
Singapore, Malaya
Field of Specialization: Dentistry
- Frank Judson Leech, B.S. (Virginia Military Institute) Lexington, Va.
Field of Specialization: Physics
- James DeVore Lytle, D.D.S. Cincinnati
Field of Specialization: Dentistry
- Stuart Newman Mapes, Jr., S.B. in E.E. (Massachusetts Institute of
Technology) West Hartford, Conn.
Field of Specialization: Electrical Engineering
- Charan Swaroop Mathur, B.V.Sc. and A.H. (Agra University)
Ajmer, India
Field of Specialization: Animal Science
- Doris Anne Mayner, B.Sc. Cleveland
Field of Specialization: Anatomy
- James Lodge McCall, B.Met.E. Cincinnati
Field of Specialization: Metallurgical Engineering
- Kenneth Eugene McClure, B.Sc. in Agr. Greenville
Field of Specialization: Animal Science
- Walter Robert McClure, B.Agr.E. Wapakoneta
Field of Specialization: Agricultural Engineering
- Malayattil Ramanatha Menon, B.Sc. (University of Madras); M.Sc.
(Benares Hindu University) Trippunithura, Kevala, India
Field of Specialization: Botany and Plant Pathology
- Richard Filmore Mills, B.E.E. Columbus
Field of Specialization: Electrical Engineering
- Anthony Kiefer Newman, B.E.E. Columbus
Field of Specialization: Electrical Engineering
- Roy Jackson Nicholson, B.S. (University of Maryland) . Las Cruces, N. Mex.
Field of Specialization: Geodetic Science
- Randolph Harvey Ott, B.S.E.E. (University of Wisconsin) Columbus
Field of Specialization: Electrical Engineering
- Lois M. Peterson, B.S. in Home Econ. (Syracuse University)
Portageville, N. Y.
Field of Specialization: Home Economics
- David Leon Rausch, B.Agr.E. Marysville
Field of Specialization: Agricultural Engineering
- Max Eugene Rhoades, A.B. (Earlham College) Arcanum
Field of Specialization: Chemistry
- Ronald Elwood Roll, B.Sc. in Phys. Mansfield
Field of Specialization: Physics (Astronomy)
- Joan Ruda Ross, B.Sc. in Nurs. Canton
Field of Specialization: Nursing
- Fernando Mauro Rudin-Rodriguez, B.C.E. San Jose, Costa Rica
Field of Specialization: Geodetic Science
- Warren West Ruggles, B.A. (Bowling Green State University) . . Norwalk
Field of Specialization: Chemistry

- Charles Edward Ryan, Jr., B.S. in E.E. (Case Institute of Technology)
Galion
Field of Specialization: Electrical Engineering
- Sodarshan Singh Sahota, B.V.Sc. (Panjab University)
Hoshiaspur, Punjab, India
Field of Specialization: Microbiology
- Masami Sakurai, M.D. (Osaka City University Medical School)
Osaka, Japan
Field of Specialization: Pathology
- Norman Maurice Schnurr, B.S. in M.E. (University of Notre Dame)
Louisville, Ky.
Field of Specialization: Mechanical Engineering
- Arvind Devchandbhai Shah, B.E.(Elec.) (University of Bombay)
Ahmedabad, India
Field of Specialization: Electrical Engineering
- Chet Ram Sharma, B.Sc. (East Panjab University) Delhi, India
Field of Specialization: Agronomy
- Melvin Simon, B.S. (George Washington University) Washington, D. C.
Field of Specialization: Pharmacy
- Russell Vincent Skavaril, B.A. (University of Omaha) Omaha, Nebr.
Field of Specialization: Zoology
- Donald Paul Stahly, B.Sc. in Dairy Tech..... Columbus
Field of Specialization: Microbiology
- Tom Lephart Stocker, B.Sc..... Sidney
Field of Specialization: Physics
- Donald Wesley Thomas, B.Sc. in Agr..... Delaware
Field of Specialization: Agricultural Economics and Rural Sociology
- Major Curt Thompson, B.S. (Birmingham Southern College)
Birmingham, Ala.
Field of Specialization: Chemistry
- John Randle Thornborough, B.Sc..... Columbus
Field of Specialization: Zoology
- Sandor Vamosi..... Toronto, Ont., Canada
Field of Specialization: Geodetic Science
- Whittie Odell Weaver, B.S. in Phar. (University of South Carolina)
Florence, S. C.
Field of Specialization: Pharmacy
- Martha Elaine Welch, B.S. (Western Kentucky State College)
Bowling Green, Ky.
Field of Specialization: Anatomy
- Leo Columbus Wilcox, Jr., Mech. Engr. (University of Cincinnati)
Cincinnati
Field of Specialization: Welding Engineering
- Dale Edward Wilgenbusch, B.S.A.H. (Iowa State University of
Science and Technology) Masonville, Ia.
Field of Specialization: Agricultural Economics and Rural Sociology
- Richard Alvin Williams, B.E.E..... Canton
Field of Specialization: Electrical Engineering
- Larry Everett Wing, B.Ch.E..... Circleville
Field of Specialization: Chemical Engineering

David Raymond Wortendyke, Elec. Engr. (University of Cincinnati) Cincinnati
Field of Specialization: Electrical Engineering

Warren Melvin Young, B.S. (Case Institute of Technology) Massillon
Field of Specialization: Physics (Astronomy)
 (Ninety-eight candidates)

**Master of Science
 in Public Administration**

James Leo McCann, Jr., B.Sc. in Edu. Columbus
Field of Specialization: Political Science
 (One candidate)

Master of Social Work

Ralph Wyomin Bonner, B.A. (Elmhurst College, Illinois) Columbus
Field of Specialization: Social Work
 (One candidate)

CANDIDATES FOR TWO DEGREES

Robert Lester Armitage Gibsonburg
 Master of Science
 Bachelor of Civil Engineering

Donald Edward Barrick Tiffin
 Master of Science
 Bachelor of Electrical Engineering

James Waugh Bowers Solon
 Master of Science
 Bachelor of Chemical Engineering

David Lane Horn, A.B. (Oberlin College) Columbus
 Master of Science
 Bachelor of Agricultural Engineering

Jean Ann McQuilkin Columbus
 Bachelor of Arts (cum laude)
 Bachelor of Science in Education (cum laude)

Rodney Earl Steele Springfield
 Bachelor of Arts
 Bachelor of Science in Business Administration
 (Six candidates)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agriculture

William Martin Aldrige.....	Worthington
Rollin Michael Barber.....	Johnstown
Joslyn Alexander Bent.....	Kingston, Jamaica, B. W. I.
Gene Mark Bricker.....	Medina
Richard Neil Crowl.....	Centerburg
Timothy George Dilworth.....	Holmesville
Terry James Firestone.....	Columbus
Francis Howard Goldsmith, Jr.....	Akron
Donald Eugene Goodwin.....	Venedocia
William August Hauer.....	Elyria
Charles Frederick Hora.....	New Lebanon
Keith Eldon Johnson.....	Dalton
James Wayne Kerr.....	La Rue
Allen Carl Kingseed.....	Tiffin
Gerald David Mast.....	Wooster
Lewis Fredric Meyer.....	Amherst
Anthony John Nieman.....	Mt. Healthy
Richard Eugene Osswald.....	Brookville
Charles Conrad Ostermeier.....	Midland
John Ivor Peters.....	Clyde
Phillip Lynn Pope.....	Scottown
Floyd Richard Poruban.....	Elyria
Richard Lee Ross.....	Waynesburg
Bernard James Scott.....	Zanesville
Roscoe Eldon Smith.....	Jeffersonville
Estel Eugene Snyder.....	Wilmington
Kenneth Henry Wise.....	West Salem

(Twenty-seven candidates)

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Patricia Houck Brake.....	Irwin
Grace Eileen Brumbach.....	Caldwell
Patricia Belle Converse (cum laude).....	Leetonia
Diana Lazarchic Haist.....	Columbus
Lois Marian Haller (summa cum laude).....	Mansfield
Janet Fridley Heister.....	Lancaster
Rita Barbara Hite.....	Columbus
Judith Davidson Patton.....	Ironton
Shirley Ann Ray.....	Homeworth
Bethany Louise Reed.....	Olympia Fields, Ill.
Evelyn Baird Schultz.....	Ansonia
Ann Louise Sisinger.....	Shelby
Beverley Blosser Skinner.....	Springfield
Alice Ann Weed.....	Columbus
Carol Ann Williams.....	Akron
Shirlee Joann Young.....	Columbus

(Sixteen candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

Jean Anderson Arthur.....	Jackson
Leon Melvin Baer.....	University Heights
Paul David Barkhurst.....	Newark
Patricia Ann Beran.....	Euclid
Bennett Asa Berger.....	Dorchester, Mass.
Michael Ewing Bireley.....	Washington C. H.
Eric Wyatt Birkeland.....	Columbus
Richard Herman Brandt.....	Cleveland Heights
Harve Malone Clodfelter, Jr.....	Columbus
Wilma Olney Compton.....	Columbus
William Arthur Dobkin.....	Akron
Moussa Majed Domit.....	Columbus
Thomas John Dorsey.....	Mansfield
Mary Dustan.....	Westbury, N. Y.
Doris Elaine Edmonson.....	Dayton
Howard Webb Ellis.....	Washington C. H.
William Clair Ermatinger.....	Ashtabula
Karen Lee Fanta.....	Columbus
Eric Michael Fine, S.B. in E.E. (Massachusetts Institute of Technology)	Youngstown
Edward Martin Gottlieb.....	East Liverpool
Edna Barbara Haber.....	Harrison, N. Y.
Myra Allen Heilman.....	Piqua
John Hugh Hilliard.....	Waverly
Alexandra Salkowski Janidlo.....	Cleveland
Joseph Carl Jura, Jr.....	Newton Falls
Biruta Zarins Kearns.....	Defiance
Judith Lynn Kerr.....	Ashland
Marcus Paul Kinderman.....	South Euclid
John Edward King.....	Wooster
James Allen Kriner.....	Buckeye Lake
William Larrimore.....	Toledo
Edwina Dorothy Logan.....	Willoughby
Robert Eugene Lucas.....	Dayton
Nicholas Peter Makris.....	Newark
William Robert May.....	Columbus
Roger Ward McAlpin.....	Upper Sandusky
Catherine Cleone McNamara.....	Delaware
*Jean Ann McQuilkin (cum laude).....	Columbus
Charles Howard Meldrum.....	Canton
John Washington Mitchell, Jr.....	Front Royal, Va.
Janet Rotter Scafuro.....	Chagrin Falls
Karen Lynn Shaw.....	Springfield
Jacqueline Sue Shilling.....	Jackson Heights, N. Y.
*Rodney Earl Steele.....	Springfield
Gordon Lyle Stewart.....	Shadyside
Karen Hummer Stratton.....	Wilcoe, W. Va.
Richard Grey Swartzbaugh.....	Toledo
Annette Elizabeth Tidings.....	Hamilton
Jane Dallas Tobin.....	Reynoldsburg
Michel Charles Vale.....	Cincinnati

(Fifty candidates)

* Two degrees

Bachelor of Science

James Willis Allen.....	Columbus
Stanley Michael Bliss.....	Cleveland Heights
Thomas Michael Darakis.....	Springfield
Raymond Thomas Fleming.....	Springfield
Roman Frayman.....	Cleveland
Robert Miles Goll.....	Dayton
Paul Arnold Lilie.....	St. Marys
Stephen Cole Matteson.....	Upper Sandusky
James Bearnard Moreland, Jr.....	Trenton, N. J.
Marilyn Consuelo Neagoy.....	Lakewood
Lois Mildred Norcross.....	Hamilton
Bernard John Nosan.....	Cleveland
Skaidrite Pupols.....	Cleveland
Barry Richard Rifkin.....	Dutch Neck, N. J.
Thomas Alben Rinesmith.....	Columbus
Frederick Harold Rosewater (cum laude).....	Cleveland Heights
Earl Shann, Jr.....	Roselle, N. J.
Bernard Howard Smith.....	New Paris
Malcolm Jay Stephens.....	Columbus
David Raymond Taxon.....	St. Clairsville
David Rayburn Thorne.....	Columbus
Mary Ann Brennan Truax.....	Martins Ferry
William A. Wake III.....	Mansfield
Robert Eugene Wilkinson.....	Warsaw

(Twenty-four candidates)

Bachelor of Science in Medical Technology

Constance Camille Davis.....	Columbus
Julia Ellen Higgins.....	Columbus
Marilyn Sue Sheridan.....	Zanesville

(Three candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

Joan Armstrong.....	Worthington
Arthur Stephen Freedman.....	Malden, Mass.
Ligia Garay-Yepes.....	Bogota, Colombia, South America
Sheridan Thomson Keyser.....	Columbus

(Four candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

Bachelor of Science in Business Administration

Frederick James Alban.....	Worthington
Aivars Auzenbergs.....	Cleveland
Kenneth Ross Badertscher.....	Orrville
Michael Kelso Benis.....	Columbus
Donald Lee Bieber.....	Columbus
John Ward Blatt.....	New Martinsville, W. Va.
Michael David Bloch.....	Highland Park, Ill.
Robert Delano Bolyard.....	Lorain
Jack Douglass Bourne.....	Columbus
Kem Arthur Brown.....	St. Marys
Marvin Thomas Buchholz.....	Columbus
David Robert Campbell.....	Cincinnati
James Davies Carle.....	Youngstown
Donald David Carroll.....	Columbus
William Ciralsky.....	Toledo
David Sabiers Cobb.....	Toledo
Daniel Donovan Connor.....	Columbus
Jerry Brooks Cabbage.....	Columbus
Morris Abdulla Dangoor.....	Baghdad, Iraq
Larry Earl Dispennette.....	Newark
Nicholas George Dragics.....	Newark
Theodore Maurice Duigon, Jr.....	Parma
Miles Michael Esko.....	Ashtabula
Roger Dee Freshwater.....	Bucyrus
Gerald John Fyre.....	Lorain
Barbara Sue Gibson.....	Worthington
Donald Eugene Gipe.....	Columbus
William Melvyn Goldstein.....	Cleveland
Thomas Eugene Gompf.....	Xenia
James Allen Grady.....	Columbus
Daniel Lear Hale.....	Cincinnati
Janet Evelyn Handelman.....	Cleveland Heights
Kent Lee Helber.....	Bellevue
Arthur Mered Hoff.....	Fostoria
William Harlan Ingram.....	Dayton
Charles Richard Inscho.....	Bucyrus
William Grimes Kahler II.....	South Charleston, W. Va.
George Frank Kalivoda.....	Garfield Heights
Donald Huber Kemper, Jr.....	Dayton
Richard Eldridge Kerns.....	Columbus
Ronald Morris Kirchner.....	Youngstown
Tom O. Maish.....	Columbus
Dennis Michael Dehane May.....	Columbus
Patrick Joseph McCarty.....	Zanesville
Philip James McDonough.....	Columbus
Andrew Milton McElroy.....	Ashtabula
William Winston McNamara.....	Western Springs, Ill.
Ronald Keith Miller.....	Lancaster
Gary Scott Milliken.....	Waynesburg, Pa.
Charles Marvel Moffitt, Jr.....	Troy
James Franklin Murney.....	Lancaster

Thomas Jordan Ocasek.....	Mt. Prospect, Ill.
Donald Lee Pawlizak.....	Lorain
Ronald Paul Pepper.....	Columbus
Gerald Kenneth Revenaugh.....	Lebanon
William Robert Riester, Jr.....	Mansfield
Charles Anthony Rotolo.....	Columbus
John Walter Saeger.....	Columbus
Charles Henry Schafer.....	Cleves
David Carl Schneider.....	Cincinnati
Tom Roberts Schooley.....	Columbus
Marsha Ann Sebastian.....	Youngstown
James Edward Shelton.....	Medina
Gerald Philip Smith.....	Williamsfield
Robert Davidson Smith.....	Willard
Theodore Anson Smith.....	Columbus
William Dennie Sparrow.....	Caledonia
James Cordova Spies.....	Columbus
*Rodney Earl Steele.....	Springfield
Wayne Irwin Steeves.....	Cincinnati
Ronald David Stone.....	Columbus
Ronald Edward Streitenberger.....	Worthington
Michael William Traphagan.....	Columbus
Robert Leroy Valentine.....	Moravia, N. Y.
Eugene Venetta.....	Warren
James Peter Webster, Jr.....	Columbus
John Fred Wunder.....	Cincinnati
Chester Edward Young.....	Poland
Nicholas Stephen Zettler.....	Columbus

(Seventy-nine candidates)

Bachelor of Science in Social Welfare

Leona Kay Christensen.....	Harrisburg
Carol Elizabeth Collier.....	Wooster
Eugenie La Plante Fellows (cum laude).....	Galena
Charles Edward Hayes.....	Marion
Paul Daniel Lister.....	Marion
Jeanne Gebert Roberts.....	Reading
June First Siegler.....	Cleveland

(Seven candidates)

* Two degrees

COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

Doctor of Dental Surgery

Steven Jay Cohen, B.A.....Cincinnati
John Herman MacPherson.....Warren
Melvin Keith Seeds, B.Sc.....Reynoldsburg

(Three candidates)

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

George Alek.....	Salem
Mary Ann Alwine.....	Quaker City
Ralph Lawrence Anderson, Jr.....	Houston, Tex.
Elizabeth Ann Barton.....	Mt. Vernon
Mary Catharine Beall.....	Columbus
Phillip Edward Becker.....	Mason
Robert Raymond Bewley.....	Cleveland
Robert Paul Bigelow, B.A. (Bowling Green State University).....	Toledo
Mary McClintock Biggs.....	Columbus
Robert Lee Biggs.....	Martins Ferry
David Karl Binau.....	Columbus
Linda Kirsten Bobst.....	Columbus
Marilyn Jean Bogan.....	Crestline
David Jay Bowman.....	Canton
Lorna Clare Bowser.....	Columbus
James Lowell Boyer.....	Utica
Mary Jane Heimlich Bradley.....	Marysville
Nancy Berner Brill.....	Columbus
Lillian Louise Brooks.....	Dayton
Miriam Bookatz Bunkin.....	Shaker Heights
David Lee Canady, B.A., M.A.....	Seville
Gail Wilson Cannon.....	South Point
Brenda Dorn Carrera.....	South Solon
Willie Rogers Character.....	Rome, Ga.
Roberta Carol Clark.....	Wheeling, W. Va.
Carol Anne Clouse.....	Columbus
David Lee Conklin.....	Columbus
William John Corfman.....	Urbana
Ewing Herman Crawfis, Jr.....	Cleveland
Robert David Crawford.....	Columbus
Mary Ann Danaher.....	Euclid
Rita Loree Diehl, B.A.....	Chesterhill
Linda Schley Edwards.....	Columbus
Jean Frank Emery.....	Barberton
Steven Paul Farst.....	Perrysville
Richard Charles Fein, B.A.....	Cleveland
Dorothy Bradley Fergusson.....	Dublin
Rosemary Croy Fraley.....	Dayton
Elizabeth Jane Frankman.....	Greenville
Shirley Anderson Furry.....	Columbus
Carol Anne Gattner.....	Columbus
Leta Buntin Goedert.....	Wendell, Idaho
Karis Goodman Goldsberry.....	Chillicothe
Mary Wing Hamilton.....	Pipersville, Pa.
Mary Thomas Hansen.....	Worthington
Cynthia Myrtle Henderson.....	Lynchburg
Stanley Edward Hindmarch, B.Mus.....	East Liverpool
Joyce Wack Hinkle.....	Lisbon
Alene Pryor Hinshaw, B.A., M.A. (summa cum laude).....	Columbus
Leslie Frederick Howe.....	Dayton
Sue Shepherd Howell.....	Barnesville

Nona Julia Hunt.....	Maple Heights
Geneva Worsham Jackson	Columbus
Gary Alfred James.....	Marion
Karen Louise Kaiser.....	Columbus
Eleanor Wentz Kelleher	Marion
Robert George Kimball.....	Columbus
Jerald Sanford Klang.....	University Heights
Cornelia Gloria Korney, B.Mus.....	Bay Village
Elise Zimmer Lafferty.....	Columbus
Ralph Eugene Levering, B.A.....	Cardington
Margaret Deppner Leyda.....	Columbus
Gary Lee Link	Columbus
Michael Edward Lisi	Wickliffe
Catherine Osburn Maffitt (summa cum laude)	Steubenville
Judith Anne Marsh.....	Columbus
Lois Heinsen Marshall.....	Port Clinton
*Jean Ann McQuilkin (cum laude).....	Columbus
Hermine Corinne Meissner.....	Cincinnati
Gail Virginia Miller.....	Tipp City
William Samuel Mills.....	Torrington, Conn.
Karen Kerns Moodspaugh.....	Greenhills
Jean Allen Mowery.....	Columbus
Joyce Elaine Murray.....	Lake George, N. Y.
Carol Ann Niederkorn.....	Versailles
James Francis Noe	Swanton
Darryll Breen Nore, B.A.....	Elyria
Carol Wilkinson Notestine.....	Warnock
Patricia Fay Wilson Nunnikhoven.....	Burlington, Ia.
Martha Mae Parrett.....	Washington C. H.
Walter James Peters.....	Cincinnati
Vera Catherine Power.....	Marion
Stephen Washam Pritchett.....	Jackson
William Haywood Randolph, B.A.....	Dayton
William Clarence Ray.....	Chillicothe
Gail Sandra Reichenstein.....	Marion
Mary Josephine Remedio.....	Youngstown
Vicki Lou Ress.....	Steubenville
Joyce Elaine Richardson.....	Columbus
Earl Russell Schaeffer (cum laude).....	Columbus
Ethel Hillman Shaffer.....	Grove City
Patricia Ann Shawen.....	Maumee
Jack Sherman, Jr.....	Cincinnati
Roberta Ann Simon.....	Cleveland Heights
Carol Ann Skeen	Bellefontaine
Sharon Riggs Smith.....	Columbus
Anita Sandra Spike.....	Cleveland Heights
Janet Marie Stanek.....	Olmsted Falls
Theodore William Suman.....	Dayton
Priscilla Ann Swanson.....	Ashtabula
Carolyn Kay Tooill	Columbus
Roselyn Sklenicka Travis.....	Cleveland
Paul Langdon Tucker.....	Columbus
John Raymond Vermillion.....	Williamstown
Arden Eugene Walker.....	Mt. Gilead
Joyce MacDonald Walters.....	Westlake
Judith Eileen Werk.....	Lebanon

* Two degrees

Jewell Whitaker	Marietta
Ednaearle Williams	Toledo
Mary Heath Williams.....	Columbus
Nancy Estalyn Williams (summa cum laude).....	Columbus
Suzanne Ochsenbein Willson.....	Steubenville
Theodore Joseph Wilson.....	Lancaster
Ruth Elizabeth Wright, B.A.....	Worthington
Ann Catherine Yanka.....	New Washington

(One hundred fifteen candidates)

Bachelor of Fine Arts

George Louis DiSabato	Waynesburg
James Chester Douglass, Jr.....	Chagrin Falls
Ruth Ethel Eells.....	Wyoming
Kit-Yung Lo.....	Hong Kong, China

(Four candidates)

Bachelor of Science in Occupational Therapy

Effie Lou Garrett	Dayton
Carol Elaine Heuman.....	Jackson, Mich.
Janet Haas Johnson (cum laude).....	Columbus
Evelyn Ann Manuel.....	Columbus
Patricia Jean Richardson.....	Cincinnati
Jane Papurt Yonas.....	Shaker Heights

(Six candidates)

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

Bachelor of Agricultural Engineering

*David Lane Horn, A.B. (Oberlin College).....Columbus
John Stanley Manges.....Findlay
(Two candidates)

Bachelor of Chemical Engineering

*James Waugh Bowers.....Solon
(One candidate)

Bachelor of Civil Engineering

*Robert Lester Armitage.....Gibsonburg
Jerald Eugene Bruce.....Zanesville
Stanley DeWayne Hannah.....South Solon
Frederick William Keyerleber.....Euclid
William Wayne Street.....Wadsworth
(Five candidates)

Bachelor of Electrical Engineering

*Donald Edward Barrick.....Tiffin
James Arthur Daily.....New Albany
Charles Edwin Dowdell, Jr., B.S. in Ed. (Bowling Green State University)
Beverly
Gary Thomas Garrett.....Newark
Milan Castle Johnson.....North Olmsted
James Curtis McCrery.....Columbus
Joseph Edward Naylor.....Norwood
Robert Elwood Shoemaker.....Middletown
Forrest Charles Snell.....Cleveland
Allen Carl Sprowl.....Cuyahoga Falls
Lawrence Allen Strickling.....Ravenna
Richard Everett Watson.....East Liverpool
Walter Ronald Zydlewski.....Buffalo, N. Y.
(Thirteen candidates)

Bachelor of Industrial Engineering

Dale Robert Knouse.....Akron
George Richard Kreis.....Ashland
James Frederick Matz.....Chillicothe
Larry Lee Sheipline.....Wapakoneta
Norman Leroy Tuttle.....Willoughby
William Arthur Wentz.....Canton
James Jack Wilson.....Huntington, W. Va.
(Seven candidates)

Bachelor of Mechanical Engineering

Weldon Long Abels.....Ashland
Christian Doerschlag.....Blacklick
Russell Herbert Kear, Jr.....Upper Sandusky
James Nelson Keyse.....North Madison
Robert Mayernick.....North Royalton
Norman John Yager.....Cleveland
(Six candidates)

* Two degrees

Bachelor of Petroleum Engineering

Richard Daniel Albrecht.....New York, N. Y.
Bernard Francis Royko.....Cleveland

(Two candidates)

**Bachelor of Science
in Physics**

James Edward Richardson.....Mt. Gilead

(One candidate)

Bachelor of Welding Engineering

Delbert Eugene Conklin.....Wheelersburg
Gerald Richard Crawmer.....Columbus

(Two candidates)

COLLEGE OF LAW

Dean: FRANK R. STRONG

Bachelor of Laws

Robert King Barton, B.Sc. in Bus.Adm.....	Columbus
Edgar Allen Bircher, B.A. (Ohio Wesleyan University).....	Springfield
Martha Jane Bleigh, B.A.....	Weston, W. Va.
James LaMar Caplinger, B.A.....	Springfield
Hubert Carl Dutro, Jr.....	Zanesville
Lynn Anderson Fanta, B.A.....	Columbus
Ernest Charles Humbert, A.B. (Cornell University).....	Lyons, N. Y.
William Gary King, A.B. (Miami University).....	Findlay
Patrick Neil McTeague, A.B. (Miami University).....	Lakewood
Andrew Joseph Niekamp, B.S. in Bus.Adm. (University of Dayton)	St. Henry
Robert Joseph Perry, B.A.....	Columbus
Carl Alan Rankin, B.S. (United States Military Academy).....	Columbus
William Owen Robertson, Jr., B.A. (Johns Hopkins University)...	Middletown
Harrison Frankland Tempest, A.B. (Miami University).....	Palatine, Ill.
Joseph R. Valentino, Jr., B.Sc. in Bus.Adm.....	Columbus

(Fifteen candidates)

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

SCHOOL OF NURSING

**Bachelor of Science
in Nursing**

Mary Elizabeth Christner.....	Wellston
Hannah Marie Craft.....	Gallipolis
Patricia Ann Eiermann.....	Cleveland
June Frances Gerlach.....	Youngstown
Sally Jean Greider.....	Springfield
Nancy Kessler Keyser.....	Fremont
Nancy Gene Parrett.....	Wooster
Vera Reynolds Tedrick.....	McArthur
Patricia Jean Wheatcraft.....	Canton

(Nine candidates)

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-SIXTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, January 12, 1962

The Board of Trustees met at its regular monthly meeting on Friday, January 12, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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January 12, 1962 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATION

A. Modification in Admission Policy for College of Law

The faculty of the College of Law with the full support of Dean Frank R. Strong has proposed the following modification in the admission policy:

1. Present Policy

Students otherwise satisfying College admission standards are now admitted:

- a. Provided their college transcripts show a cumulative point hour ratio of 2.25 or better on all undergraduate work of substantive content;

OR

- b. Provided they score well above the mean (492) on the Law School Admission Test.

2. Proposed Modification in Policy

Students otherwise satisfying College admission standards would be admitted:

- a. Provided their college transcripts show a cumulative point hour ratio of 2.5 or better on all undergraduate work of substantive content;

OR

- b. Provided they score 400 or higher on the Law School Admission Test and offer a cumulative point hour ratio of between 2.25 and 2.49 on all undergraduate work of substantive content;

OR

- c. Provided they score well above the mean (492) on the Law School Admission Test.

It is recommended that the proposed modification in admission policy for the College of Law be hereby approved and adopted effective for the students entering the College of Law, Autumn 1962.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the December 12, 1961 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments and Leaves of Absence Without Salary:

A. Appointments

G. Robert Holsinger, Jr., Secretary of the University Faculty, effective January 1, 1962, at "No Salary." Dr. Holsinger will continue to serve as Dean, Part-Time and Continuing Education.

Thuppalay K. Menon, Associate Professor, Electrical Engineering, effective January 1, 1962, at a salary of \$10,968.00 per annum.

B. Leaves of Absence Without Salary

Tibor Rado, University Research Professor, Graduate School, January 1, 1962 through March 31, 1962, to serve as Visiting Professor at Wesleyan University, Middletown, Connecticut.

Donald F. Istvan, Associate Professor, Accounting, January 1, 1962 through September 30, 1962, to work on a manuscript for the Accounting Principles course.

Robert W. McCormick, Associate Professor, Agricultural Education and Associate Professor (Assistant Director, Research and Training), Agricultural Extension Service, February 1, 1962 through February 15, 1962, to serve on the Agricultural Education and Extension Staff of the University of Wisconsin in a special assignment in the preparation of a monograph.

Friedrich J. Tischer, Associate Professor, Electrical Engineering, January 1, 1962 through September 30, 1962, to engage in research.

Paul T. Carville, Instructor, Electrical Engineering, indefinite leave of absence, January 1, 1962, because of ill health.

Jean MacVicar, Instructor, School of Nursing, February 5, 1962 through June 30, 1962, to study at Western Reserve University.

Delma C. McCourt, Instructor (County Extension Agent, Home Economics) Jefferson County, February 1, 1962 through June 15, 1962, to study at Arizona State University.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the Appointments, Leaves of Absence Without Salary and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting:

1. Government Contracts - Federal

- a. Department of the Navy, Office of Naval Research, Washington 25, D. C. , for an Investigation of Atmospheric Impurities (to be known as Office of Naval Research Project No. 656 - Amend. #10 - Department of Physics and Astronomy).
Gross Value - \$21,300.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Physiology of Aquatic Bacteria (to be known as National Institutes of Health Project No. 705 - Ext. #6 - Department of Microbiology).
Gross Value - \$8,634.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Isolation of Enteric Viruses from Swine (to be known as National Institutes of Health Project No. 791 - Ext. #4 - Department of Microbiology).
Gross Value - \$17,967.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Diagnostic Use of Arterial Bed Characteristics Analog (to be known as National Institutes of Health Project No. 796 - Ext. #4 - Department of Physiology).
Gross Value - \$11,902.00.
- e. Headquarters, Electronic Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for Design and Construction of a Luminous Shock Tube for Quantitative High Temperature Spectrographic Investigations of the Basic Parameters (to be known as Air Force Systems Command Project No. 845 - Sup. #7 - Department of Physics and Astronomy).
Gross Value - \$28,000.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies in Primate Learning and Perception (to be known as National Institutes of Health Project No. 887 - Ext. #3 - Department of Psychology).
Gross Value - \$23,197.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Histochemical and Cytological Study of Hemopoiesis (to be known as National Institutes of Health Project No. 893 - Ext. #3 - Department of Anatomy).
Gross Value - \$19,423.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Microbiological Aspects of Farm-Pond Water Supplies (to be known as National Institutes of Health Project No. 895 - Ext. #3 - Department of Microbiology).
Gross Value - \$15,291.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis of Steroidal Alpha-diazoketones (to be known as National Institutes of Health Project No. 906 - Ext. #3 - Department of Chemistry).
Gross Value - \$20,757.00.
- j. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for Research to Develop Methods for Measuring the Properties of Penetrant Flaw Inspection Materials (to be known as Aeronautical Systems Division Project No. 912 - Sup. #5 - Engineering Experiment Station).
Gross Value - \$90,335.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis and Reactions of Diazocycloalkanes and Diazo Steroids (to be known as National Institutes of Health Project No. 918 - Ext. #2 - Department of Chemistry).
Gross Value - \$12,029.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Optical Antipodes of Carcinogenic Hydrocarbons (to be known as National Institutes of Health Project No. 947 - Ext. #1 - Department of Chemistry).
Gross Value - \$5,520.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Ornithine Transcarbamylase Biosynthesis in Bacteria (to be known as National Institutes of Health Project No. 1043 - Ext. #2 - Department of Agricultural Biochemistry).
Gross Value - \$12,815.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Significance of Spore-Forming Microorganisms in Milk (to be known as National Institutes of Health Project No. 1046 - Ext. #2 - Department of Dairy Technology).
Gross Value - \$10,407.00.
- o. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of the Kinetics and Mechanism of the Oxidation of Tantalum at Elevated Temperatures (to be known as Aeronautical Systems Division Project No. 1204 - Mod. #3 - Department of Metallurgical Engineering).
Gross Value - \$45,500.00.
- p. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of New Tracer Techniques for Evaluating the Effects of an Insecticide on the Ecology of a Forest Fauna (to be known as U. S. Atomic Energy Commission Project No. 1207 - Sup. #1 - Department of Zoology and Entomology).
Gross Value - \$18,724.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Biochemical Role of the Essential Fatty Acids (to be known as National Institutes of Health Project No. 1218 - Ext. #1 - Institute of Nutrition and Food Technology).
Gross Value - \$14,233.00.
- r. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Guidance and Sensing Techniques for Advanced Vehicles (to be known as Aeronautical Systems Division Project No. 1222 - Mod. #1 - Department of Electrical Engineering).
Gross Value - \$175,000.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Ventricular Ejection Studied by Simplified Techniques (to be known as National Institutes of Health Project No. 1337 - Ext. #1 - Department of Medicine).
Gross Value - \$14,315.00.
- t. Institute of Technology, Air University, USAF, Wright-Patterson Air Force Base, Ohio, for Research and Services to Further Develop Curricula and Present Courses of Instruction, Advanced Logistics Course and Air Materiel Command Logistics Education (to be known as Institute of Technology, WPAFB, Ohio Project No. 1343 - Sup. #1 - Defense Management Center).
Gross Value - \$18,678.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- u. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for (u) Research on Integrated Radome-Scanner Design Techniques (to be known as Aeronautical Systems Division Project No. 1382 - New - Department of Electrical Engineering).
Gross Value - \$40,000.00.
- v. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Initiation of Basic Research on the Processes of Crystal Growth and Dissolution (to be known as Office of Naval Research Project No. 1386 - New - Department of Metallurgical Engineering).
Gross Value - \$20,000.00.
- w. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Spectroscopic Analysis of Plasma Flow (to be known as Aeronautical Systems Division Project No. 1390 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$34,568.00.
- x. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Information Processing in the Frog's Retina (to be known as Aeronautical Systems Division Project No. 1392 - New - Institute for Research in Vision).
Gross Value - \$33,367.00.
- y. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Anelastic Behavior in Metals (to be known as Aeronautical Systems Division Project No. 1393 - New - Department of Metallurgical Engineering).
Gross Value - \$20,000.00.
- z. National Science Foundation, Washington 25, D. C., for an Analysis of Antarctic Thermal, Gravity, Glaciological and Paleomagnetic Data (to be known as National Science Foundation Project No. 1396 - New - Institute of Polar Studies).
Gross Value - \$18,500.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Metabolic Defects in Male Pseudohermaphroditism (to be known as National Institutes of Health Project No. 1397 - New - Department of Pediatrics).
Gross Value - \$8,993.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- bb. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Kinetics of Ionizing-Radiation Induced Reactions in Organic Compounds (to be known as U. S. Atomic Energy Commission Project No. 1398 - New - Department of Chemistry).
Gross Value - \$24,681.00.
- cc. National Science Foundation, Washington 25, D. C., for an Investigation of Vertebrate Faunal Changes During the Pleistocene in Chihuahua (to be known as National Science Foundation Project No. 1399 - New - Department of Geology).
Gross Value - \$4,000.00.
- dd. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Blood Flow to Human Teeth (to be known as National Institutes of Health Project No. 1400 - New - College of Dentistry).
Gross Value - \$8,625.00.
- ee. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Contributive Research in Thermo-mechanics (to be known as Aeronautical Systems Division Project No. 1401 - New - RF Internal Supervision).
Gross Value - \$100,000.00.
- ff. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of Perception and Television: Physiological Factors of Television Viewing (to be known as Office of Education Project No. 1402 - New - Bureau of Educational Research and Service).
Gross Value - \$37,500.00.
- gg. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Treatment of Malignant Neoplasms in Domestic Animals (to be known as National Institutes of Health Project No. 1403 - New - Department of Veterinary Surgery and Radiology).
Gross Value - \$20,235.00.
- hh. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Lipoproteins and Cellular Organization (to be known as National Institutes of Health Project No. 1404 - New - Department of Physiological Chemistry).
Gross Value - \$17,153.00.

TOTAL - Government Contracts - Federal \$971,549.00

January 12, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a. The Procter and Gamble Company, MA&R Building, Ivorydale, Cincinnati 17, Ohio, for a Clinical Study of Non-calcified and Calcified Deposits on the Teeth (to be known as The Procter and Gamble Company Project No. 323 - Ext. #18 - College of Dentistry).
Gross Value - \$5,000.00.
- b. Holland-Rantos Company, Inc., 145 Hudson Street, New York 13, New York, for an Investigation of New Progestin Compounds (to be known as Holland-Rantos Company, Inc. Project No. 1239 - Ext. #1 - Department of Obstetrics and Gynecology).
Gross Value - \$39,200.00.
- c. American Geographical Society, Broadway at 156th Street, New York 32, New York, for Photogrammetric Plot of a Map of a Part of St. Elias Mountains (to be known as American Geographical Society Project No. 1391 - New - Department of Geodetic Science).
Gross Value - \$4,828.49.
- d. The Regents of the University of Wisconsin, Madison 6, Wisconsin, for a Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as the University of Wisconsin Project No. 1395 - New - Department of Surgery).
Gross Value - \$4,500.00.

TOTAL - Industrial and Other Contracts \$53,528.49

The foregoing thirty-eight contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,025,077.49.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts from the Engineering Experiment Station

During the period from November 25, 1961 through December 27, 1961, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

- | | |
|---------|---|
| EES 200 | Development of a Nuclear Device for Moisture and Density Measurements on Soils and Base Course Materials, Ohio Department of Highways, Columbus 15, Ohio.
Gross Value - \$62,000.00. |
|---------|---|

January 12, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

1. Government Research Contracts (continued)

EES 203 The Preparation and Conduct of Courses for the Develop-
ment of Personnel of the Ohio Department of Highways,
Ohio Department of Highways, Columbus 15, Ohio.
Gross Value - \$51,120.00.

TOTAL - Government Research Contracts \$113,120.00

2. Industrial Research Contract

EES 168 Fireplace and Chimney Studies, The Clay Flue Lining
Ext. #2 Institute, 161 Ash Street, Akron 8, Ohio.
Gross Value - \$22,440.00.

The foregoing three contracts for research in the Engineering Experiment Station represent a gross income of \$135,560.00.

C. Authorization to Negotiate and Sign a Lease with the Adjutant General of
Ohio for Use of a Portion of The Ohio State University Airport

On May 10, 1948 the Board of Trustees authorized the Adjutant General of Ohio to construct hangars, taxi strips, etc. at University Airport for the use of the Ohio National Guard. The agreement did not include any payment to the University for the use of its facilities.

In order to define the position of the University and the Adjutant General in regard to the use of the airport facilities, negotiations have been carried on between the Vice President, Business and Finance, and the Adjutant General.

On the basis of the present occupancy the Adjutant General has offered to pay the University \$300.00 per month for the period January 1, 1962 to June 30, 1963. The Adjutant General has also agreed to include in his budget request an amount of \$400.00 per month for the biennium beginning July 1, 1963.

It is therefore recommended that the Board of Trustees authorize the President to sign an agreement between the Adjutant General and the University.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the authorization for the President to sign the agreement between the Adjutant General and the University was unanimously approved by roll call vote.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record and an appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$77,800.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Science for Secondary School Teachers" under the direction of Professor John S. Richardson, Department of Education. (Grant NSF-G20707)
2. \$42,400.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Geology for Secondary School Teachers" to be held at Snow College, Ephraim, Utah, under the direction of Professor Edmund M. Spieker, Department of Geology. (Grant NSF-G20773)
3. \$91,300.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Mathematics for Secondary School Teachers" under the direction of Professor Robert C. Fisher, Department of Mathematics. (Grant NSF-G20608)
4. \$49,300.00 granted by the National Science Foundation to the University for the support of a "Summer Institute in Chemistry for Secondary School Teachers" under the direction of Professor A. B. Garrett, Department of Chemistry. (Grant NSF-G20368)
5. \$17,480.00 granted by the National Science Foundation to the University for support of a "Research Participation for College Teachers Program" under the direction of Professor F. E. Deatherage, Department of Agricultural Biochemistry. (Grant NSF-G20448)

B. Administered Through the Development Fund

1. \$50,000.00 for the LeCrone-Baxter Memorial Fund to be deposited in the University Investment Portfolio.

LeCrone-Baxter Memorial Fund

The LeCrone-Baxter Memorial Fund was established December 21, 1961, by a bequest in the will of Helen LeCrone Baxter, B. A. '07, made to honor her father, Dr. Thomas West LeCrone, Starling Medical College, 1882, and her husband, Dr. Leland Baxter, Rush Medical College, 1902.

The principal and any additional distributions shall be kept as a permanent fund, to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates. The income shall be used for graduate research work in the field of medicine, the area to be determined by a committee of three, who shall be appointed by the President of The Ohio State University, with this stipulation that Dr. Wells Teachnor of Columbus, Ohio, shall be the sole person to determine the area of research during his lifetime, but that he may

IV. GRANTS AND GIFTS (continued)

B. Administered Through the Development Fund (continued)

LeCrone-Baxter Memorial Fund (continued)

seek the advice of and consult with the said committee. After the death of Dr. Wells Teachnor, the committee shall determine the type of research that shall be done and may change the subject for research if, as and when said committee deems a change advisable.

2. \$5,000.00 for the Flora Gluck Fund to be deposited with the Treasurer of the State of Ohio.

The Flora Gluck Fund

The Flora Gluck Fund was established December 22, 1961, by a gift through the Development Fund of The Gluck Educational Foundation, Inc., and Arthur Gluck to honor his wife, Flora Gluck on her birthday.

The principal is to be invested in accordance with Section 3335.12 G.C.

The income may be used to aid a graduate student in Physiological Chemistry, who has successfully completed the general examination toward the Ph.D., or Sc.D., or an equivalent terminal degree and has selected a research project in the field of hypertension. The income may be used along with other monies available to supplement a stipend or a research project in the aforementioned field.

The income is to be awarded only for basic research (not for applied technology or for a clinical project) in the area of Physiological Chemistry in the College of Medicine. The appointment of the recipient of this money is to be made by Dwight M. Palmer, M. D., the Director of the Division of Neurology in consultation with the Chairman of the Department of Physiological Chemistry and Dr. Walter J. Frajola. However, as long as Dr. Dwight M. Palmer desires it, he shall have exclusive authority to name the recipients.

In the event the need for this income in the area stipulated should cease to exist or so diminish as to create unused income, then the Board of Trustees may use said income in its discretion, preference to be given, however, to basic work in the field of medicine but not for any applied technology.

3. \$7,000.00 - A Warranty Deed from Byrnece R. Kinneary to The Ohio State University for real estate appraised at \$7,000.00 and described as follows:

. . . Real Estate situated in the County of Franklin in the State of Ohio, and in the City of Columbus and bounded and described as follows:

January 12, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Administered Through the Development Fund (continued)

3. (Continued)

Being Lot Nos. 167, 168, 169, 170, 171, 179, 180, 181, 182, 183, the north one-half of lot 184, and the north one-fourth of lot 185 of Thompson's Northwood Heights Addition as the same are numbered and delineated upon the recorded plat thereof, of record in Plat Book 5, page 236, Recorder's Office, Franklin County, Ohio.

The property described herewith is to become a part of the University's Investment Portfolio.

4. \$5,000.00 from the Buckeye Federal Savings and Loan Association for deposit in the International Students Project Account No. 21272. This is a memorial gift honoring Professor George Wells Knight and is to partially defray the construction costs for the expansion of the George Wells Knight International House, 104 Fifteenth Avenue.
5. \$5,000.00 from The Arline and Thomas Patton Foundation to The Ohio State University for deposit in "The Thomas F. Patton Fund for the College of Law" which was established December 31, 1958.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In November, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,346	\$ 28,499.41
Individuals, Other Than Alumni	59	1,970.11
Non-Profit Organizations	19	34,151.17
Business Concerns	14	35,404.17
	<u>1,438</u>	<u>\$100,024.86</u>

Of these gifts, 1,274 totaling \$7,362.50 were undesignated and 164 totaling \$92,662.36 were designated.

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V. APPROPRIATIONS AND TRANSFERS OF FUNDS

A. Department of Preventive Medicine

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed

V. APPROPRIATIONS AND TRANSFERS OF FUNDS (continued)

A. Department of Preventive Medicine (continued)

\$425.00 be appropriated from the University Treasurer Account No. 19603, Research Facilities, for the purpose of installing a chemical hood and service facilities for Area 400 at the Research Center.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

B. Children's Hospital Research Facility

On September 8, 1961, the Board of Trustees authorized the President and/or the Vice President, Business and Finance, to negotiate a lease with The Children's Hospital for the operation of the Children's Hospital Research Facility. The lease has now been prepared and the terms are satisfactory to the Dean of the College of Medicine, the President of Children's Hospital and the Vice President, Business and Finance, of The Ohio State University.

Since this is a new venture no budget allocation is included in the current operations budget for 1961-62 for this facility.

It is, therefore, recommended that \$30,000.00 be appropriated from Item (f) of the University Treasurer Research Account as an operating fund to cover the cost of utilities, maintenance and housekeeping costs until such time as sufficient research grants are received and the indirect costs are of sufficient volume to cover such operating costs. It is clearly understood that the Children's Hospital Research Facility will be self-supporting within the next year.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRAS AND CREDITS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Remodel Robinson Laboratory

General Contract

It is recommended that the following changes be made:

1. Install an 8" WF Beam over large opening for duct work to support floor for Room 2102.
Add \$130.00.

January 12, 1962 meeting, Board of Trustees

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

A. Remodel Robinson Laboratory (continued)

General Contract (continued)

2. Cut off new 21" steel beam and weld to existing beam under Room 2107 and Corridor C-201. Add \$68.00.
3. Provide furring and plaster around seven existing columns in Corridor C-205. Add \$81.00.
4. Provide new rubber base along south wall in Room 2033. Add \$20.00.
5. Provide lock for door on Ladies Lounge, Room 2000A. Add \$35.00.
6. Move door between Rooms 1031 and 1031A to a position opposite the air conditioning unit so that the coils may be removed. Add \$107.00.
7. Install one wood shelf in each of five Toilet Rooms in locations adjacent to the lavatories. Add \$59.00.
8. Install darkening draperies at windows in Rooms 2023 and 2025. Add \$200.00.
9. Remove a portion of metal stud partition adjacent to new double doors to Lobby L-2 and replace with concrete block. Plaster and paint concrete block to match adjoining walls. Omit acoustic tile from ceiling in Lobby L-2 and paint existing plaster ceiling. Add \$151.00.
10. Omit plaster from new west wall in Janitor's Closet, Room 1061A. Deduct \$26.00. Net addition \$825.00

Funds will be provided from Account 002, S.B. 592.

B. Repair Stadium Dormitories (Scholarship Dormitories, Phase VI)

Plumbing Contract

It is recommended that the broken attachment brackets be brazed and the shower mixing valves repaired or replaced in 12 existing showers.

Add \$ 52.00

Funds will be provided from Account 709, H.B. 390.

January 12, 1962 meeting, Board of Trustees

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

C. Botany and Zoology Building, Remodeling and Expansion

General Contract

It is recommended that the following changes be made:

1. Provide additional concrete block and glazed block partitions in Rooms S-157, 158, 168, 379 and Corridor C-300S. Add \$247.00.
2. Substitute hollow metal doors and frames as used in other campus buildings for doors and frames specified. Deduct \$200.00.
3. Provide hollow metal doors of "B" label construction with 1 1/2 hour fire rating for all interior stair doors. Add \$84.00.
4. Change height of acoustical ceilings in all rooms except corridors, stairways and Room 177A from 8'8" to 8'4" and provide vertical returns at heads of windows. Add \$451.00.

Net addition \$ 582.00

Funds will be provided from Account 001, S.B. 592.

D. Maintenance Building No. 2 at Golf Course

Plumbing Contract

It is recommended that an additional 300 ft. of 6" drain tile be provided from the outlet of the new leaching bed to a point on the existing storm sewer at a low enough elevation to provide the necessary fall in the new drain line.

Add \$ 470.00

Funds will be provided from Athletic Revenue Funds.

E. Ice Rink, Phase III

General Contract

It is recommended that the following changes be made:

1. Provide temporary plywood closures for two large exterior door openings until the permanent doors and frames could be delivered and installed. Add \$242.00.

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

E. Ice Rink, Phase III (continued)

General Contract (continued)

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|---|-----------------------|-------------------|
| 2. Furnish and install a 10 ga. galvanized steel base, 7" high with eased top edge, applied with countersunk stainless steel screws, around the skating area. Add \$1,151.00. | <u>Total addition</u> | <u>\$1,393.00</u> |
|---|-----------------------|-------------------|

Funds will be provided from Account 705, H. B. 390.

F. Administration Building Remodeling - Phase III

General Contract

It is recommended that the following changes be made:

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|--|-----------------------|------------------|
| 1. Refinish existing woodwork in Purchasing Department Rooms. Add \$83.00. | | |
| 2. Clean and repaint eight existing windows in Purchasing Department Rooms. Add \$53.00. | <u>Total addition</u> | <u>\$ 136.00</u> |

Funds will be provided from Account 002, S. B. 592.

G. Veterinary Clinical Unit Building

Electrical Contract

It is recommended that the following changes be made:

1. Move pushbutton for control of Dispensary buzzer from Corridor 2014 at Room 2017 to Corridor 2012 at Room 2015. Add \$78.00.
2. Install additional switch for light over lectern, in front of lectern in Room 1001. Add \$35.00.
3. Provide an accent light to highlight a speaker at lectern in Room 1001 wired through a dimmer in projection room. Add \$125.00.
4. Install a second microphone outlet in lectern. Add \$69.00.

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

G. Veterinary Clinical Unit Building (continued)

Electrical Contract (continued)

5. In lieu of manually controlled dimmers for control of ceiling lights in Room 1001, provide automatic intensity controlled dimmers. Add \$856.00.
 6. Extend 3 wire circuit from Panel LP-2B to drum unloading pump, with magnetic motor starter, fused disconnect with pilot light, and circuit breaker in Panel. Add \$220.00.
 7. Extend sound conduit system from speaker outlet in Room 3007 to Rooms 3009, 3044, and 3048. Add \$469.00.
 8. Provide minor changes in feeder and conduit sizes for various motors to conform with revised motor schedule. Deduct \$56.00.
 9. Relocation of speaker assemblies in Rooms 1001 and 3007. Add \$215.00.
 10. Provide additional fire alarm sending stations and gongs in three locations on third floor. Add \$586.00.
 11. Revise wiring, conduit, fixtures and outlets in area where Rooms 2015 through 2019 have been made into one room. Add \$219.00.
 12. Abandon conduit in floor and run new conduit overhead where the partition between Rooms 1020 and 1021 is to be eliminated. Add \$53.00.
 13. Change telephone outlets and provide new outlets as outlined in Architect's Bulletin #25 and provide a bushed telephone outlet for "1A" key equipment and a 120 volt duplex receptacle at each of four telephone cabinets as requested by the Telephone Co. Add \$434.00.
 14. Provide a 2" telephone conduit from Room 1003 to existing telephone manhole to provide for future closed circuit television. Add \$189.00.
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| | <u>Net addition</u> | <u>\$3,492.00</u> |
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VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

G. Veterinary Clinical Unit Building (continued)

Heating and Ventilating Contract

It is recommended that the ceiling diffusers and registers be rearranged and the thermostat relocated in the area composed of Rooms 2015 through 2019 which is being made into one large room.

Add \$371.00

Funds will be provided in Account 002, S.B. 592.

H. Addition to Fine Arts Building

Electrical Contract

It is recommended that the following changes be made:

1. Install one 250 volt, 20 amp. receptacle on south wall in each of Rooms 406 and 407 for future electrical driven model stands and make the necessary connections to Panel LJ. Add \$125.00.
2. Delete two classroom bells and outlets in first floor corridor. Deduct \$70.00.
3. Delete entire 208 volt, 3 phase, 5000 watt outlet box and connections for autoclave in Room 166. Deduct \$50.00.
4. Furnish and install two fire alarm stations in the third floor corridors in same location as indicated for stations on second floor. Add \$64.00.

5. Provide outlets and connections for three pay station telephones. Add \$75.00. Net addition \$144.00

Funds will be provided from Account 001, S.B. 592.

I. Improvements in Classrooms and Laboratories in Hamilton Hall

Electrical Contract

It is recommended that ten 4'0" long used fluorescent light fixtures be installed in

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

I. Improvements in Classrooms and Laboratories in Hamilton Hall (continued)

Electrical Contract (continued)

Laboratory Room 11 and that existing light fixtures in this room which are above the new pipe lines be rehung.	<u>Add</u>	<u>\$260.00</u>
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Funds will be provided from University Hospital Rotary.

Upon motion of Mr. Allyn, seconded by Mr. Ketner, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of material and estimates of cost for the following project be approved by the Board of Trustees:

A. Repairs in Mendenhall Laboratory, Rooms 101 and 104

Funds for this project will be provided from subaccount (b) University Treasurer Research Account, as appropriated by the Board on November 10, 1961.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following project have been recommended for award and the action is hereby reported to the Board:

A. Men's Housing No. 1 and 2 Dining Facility

WHEREAS The Ohio State University, pursuant to an advertisement for bids on the construction of the proposed Men's Housing No. 1 and 2 Dining Facility heretofore published on the 18th day of November, the 25th day of November, the 2nd day of December, the 9th day of December and the 23rd day of December, 1961, did on the 21st day of December and the 4th day of January, 1962, at the Office of the Ohio Director of Public

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Men's Housing No. 1 and 2 Dining Facility (continued)

Works in Columbus, Ohio, receive bids for the construction of men's housing dining facility, said bids having been taken under advisement by the Director of Public Works and the Vice President, Business and Finance, of the University; and

WHEREAS the base bid of Sheaf Construction Co. for general work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of American Electric Works for electrical work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Louis R. Polster for kitchen equipment work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Julian Speer for heating, ventilating and air conditioning work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Huffman-Wolfe Company for plumbing work is the lowest and best bid submitted by any responsible bidder:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (10 bids received)		
Sheaf Construction Co. (Columbus)	\$301,870.00	\$346,000.00
<u>Electrical Contract</u> (6 bids received)		
American Electric Works (Columbus)	99,730.00	100,000.00
<u>Kitchen Equipment Contract</u> (5 bids received)		
Louis R. Polster (Columbus)	139,749.00	158,900.00
<u>Heating, Ventilating and Air Conditioning Contract</u> (2 bids received - readvertisement)		
Julian Speer Co. (Columbus)	173,800.00	185,000.00
<u>Plumbing Contract</u> (1 bid received - readvertisement)		
Huffman-Wolfe Co. (Columbus)	42,365.00	46,200.00
<u>Total All Contracts</u>	<u>\$757,514.00</u>	<u>\$836,100.00</u>

NOW, THEREFORE, BE IT RESOLVED by The Ohio State University Board of Trustees:

That the contract for General Work in the amount of \$301,870.00 be awarded to Sheaf Construction Co. ;

January 12, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Men's Housing No. 1 and 2 Dining Facility (continued)

That the contract for Electrical Work in the amount of \$99,730.00 be awarded to American Electric Works;

That the contract for Kitchen Equipment Work in the amount of \$139,749.00 be awarded to Louis R. Polster;

That the contract for Heating, Ventilating and Air Conditioning Work in the amount of \$173,800.00 be awarded to Julian Speer Co.;

That the contract for the Plumbing Work in the amount of \$42,365.00 be awarded to Huffman-Wolfe Company; and

That the awards shall not be effective until the awardees have been notified in writing by the Secretary of The Ohio State University Board of Trustees of the award of the pertinent contract.

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above resolution was unanimously adopted by roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 101 Authorizes the expenditure of \$16,000.00 for the purchase of property at 171-173 West Frambes Avenue, Columbus, Ohio.
- 102 Approves the transfer and expenditure of \$1,933.33 from Rotary 601 to Account 705 Ice Rink, H. B. 390, to provide funds for extra orders.
- 103 Approves the transfer of \$8,401.88 from Rotary 601 to Account 715, Administration Building, H.B. 390, to provide funds for the project.
- 104 Approves the expenditure of \$8,401.88 in Account 715, Administration Building, H. B. 390, to provide funds for extra orders and blueprints.
- 105 Authorizes the expenditure of \$14,500.00 for the purchase of property at 187 Frambes Avenue and 2114 Neil Avenue, Columbus, Ohio.
- 106 Approves the transfer of \$21,321.00 from Rotary 601 to Account 702, Improvements in Classrooms and Laboratories in Hamilton Hall, H. B. 390.
- 107 Approves the expenditure of \$21,321.00 in Account 702, Improvements in Classrooms and Laboratories in Hamilton Hall, H. B. 390, to provide funds for extra orders.
- 108 Approves the transfer and expenditure of \$287.00 from Rotary 601 to Account 706 Institute of Research in Vision, H. B. 390, to provide funds for extra orders.

January 12, 1962 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS (continued)

- 109 Approves the transfer and expenditure of \$270.00 from Rotary 601 to Account 712 Law Center Building, H.B. 390, to provide funds for extra orders.
- 111 Approves the transfer and expenditure of \$485.48 from Rotary 601 to Account 716 Installation of Capacitors in the Power Plant, H.B. 390, to provide funds for an extra order and an adjustment in the engineer's fee.
- 113 Approves the transfer and expenditure of \$1,775.00 from Rotary 601 to Account 718 Remodeling Area 800, Research Center, H.B. 390, to provide funds for the employment of architects for this project.
- 114 Approves the transfer and expenditure of \$7,891.92 from Rotary 601 to Account 711 Aviation Psychology Laboratory Remodeling, H.B. 390, to provide funds for equipment for this project.
- 115 Authorizes the expenditure of \$14,000.00 for the purchase of property at 149 West Frambes Avenue, Columbus, Ohio.
- 118 Approves the transfer of \$5,000.00 from the first quarter to the second quarter of maintenance funds and \$35,000.00 from the fourth quarter to the second quarter of maintenance funds, Account 200, H.B. 390.
- 119 Approves the transfer and expenditure of \$27,397.09 from Rotary 601 to Account 719 Motor Truck Platform Scales, H.B. 390, to provide funds for the award of contract, advertising costs and architect's fees.
- 120 Approves the release without quarterly restriction of Account 401 Cancer Research and Account 402 Research, H.B. 390, to meet the requirements of research programs.
- 122 Authorizes the expenditure of \$13,650.00 for the purchase of property at 145 West Frambes Avenue, Columbus, Ohio.
- 123 Authorizes the expenditure of \$15,900.00 for the purchase of property at 141 West Frambes Avenue, Columbus, Ohio.
- 128 Authorizes the expenditure of \$50,700.00 for the purchase of property at 108-110-112 West Woodruff Avenue, Columbus, Ohio.
- 129 Authorizes the expenditure of \$17,500.00 for the purchase of property at 88 West Woodruff Avenue, Columbus, Ohio.
- 130 Authorizes the expenditure of \$16,500.00 for the purchase of property at 92 West Woodruff Avenue, Columbus, Ohio.

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January 12, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM THE OFFICE OF BUSINESS AND FINANCE

A. Student Housing #3, 4, 5 and 6 - Engineering Services

It is recommended that W. E. Monks, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost and complete field supervision of construction.

The fee for this service will be 4 per cent of the contract cost of the mechanical work or an estimated \$37,126.00. Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

B. Metallurgical Laboratory, Chemical Engineering Building - Engineering Services

It is recommended that Ralph J. Kramer, Comer & Passe, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost.

The fee for this service will be 4.2 per cent of the contract cost of the mechanical work or an estimated fee of \$9,324.00. Funds will be provided from Account 005, S. B. 592.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

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XI. REPORTS

A. Report of the Finance Committee

Mr. Thomas Patton presented the following report and resolutions concerning the financing of Federal Housing and Home Finance Agency's Project No. 33-CH-99(D).

1. Resolution Approving Interim Financing Proposal, Promissory Note - Form and Execution

RESOLVED, that the proposal of The Huntington National Bank of Columbus, Ohio, dated as of December 7, 1961, as amended by letter dated January 5, 1962, with respect to interim financing for the proposed dormitories and dining facilities buildings project (Housing and Home Finance Agency Project No. CH-Ohio-99(D)), pending issuance of Dormitory Revenue Bonds, Series H and J, in the principal amount of \$6,500,000 and the form of promissory note or notes to be used in connection with such interim financing, be and the same are hereby

XI. REPORTS (continued)

A. Report of the Finance Committee (continued)

1. Resolution Approving Interim Financing Proposal, Promissory Note - Form and Execution (continued)

accepted and approved, subject to such changes in said proposal and promissory note form as may be agreed upon, and the President and Vice President, Business and Finance, of the University, and the Secretary of the Board of Trustees, and each of them are hereby authorized to agree to any such changes therein as they shall deem not unfavorable to the University.

RESOLVED, that the President and the Vice President, Business and Finance, of the University, and the Secretary of the Board of Trustees, and each of them, are authorized on behalf of the University and its Board of Trustees, to execute, seal and deliver, from time to time, a promissory note or notes evidencing such interim financing heretofore approved at this meeting, in the form presented to this meeting with such changes as the officers executing the same shall deem advisable and not unfavorable to the University, and said officers, and each of them, are authorized to take any and all action that they shall deem necessary or proper in order to effect the said interim financing and in order to perform the covenants contained in said form of promissory note and proposal.

RESOLVED, that the attached interim financing agreement, as amended, and form of promissory note, as amended, are the documents heretofore approved at this meeting. (See Appendix VI, page 327)

2. Resolution Approving Earnings Certificate Under Section 6(b) of Bond Resolution

WHEREAS, certain banks have agreed to advance funds for construction of seven four-story dormitories for approximately 1,444 men and women students and 28 proctors; one dining facilities building for approximately 1,200 students; and one dining facilities building for approximately 1,100 students as interim financing repayable from the proceeds of the Series H and J Bonds, when sold after July 1, 1963; and

WHEREAS, on the basis of the information submitted to it, the Board has determined that immediately after the end of the fiscal year ending June 30, 1963 there will be sufficient earnings from then existing dormitories together with estimated earnings from seven four-story dormitories for approximately 1,444 men and women students and 28 proctors; one dining facilities building for approximately 1,200 students; and one dining facilities building for approximately 1,100 students to meet the earnings coverage requirements for issuance of additional parity bonds as provided in the Trust Agreement dated April 15, 1957; and

WHEREAS, a certificate delivered at that time showing such earnings coverage must be approved by the Board of Trustees, and in connection with the interim financing referred to above it is advisable to approve the form of certificate submitted to this meeting based on estimates of revenues as of July 1, 1963;

January 12, 1962 meeting, Board of Trustees

XI. REPORTS (continued)

A. Report of the Finance Committee (continued)

2. Resolution Approving Earnings Certificate Under Section 6(b) of Bond Resolution (continued)

NOW, THEREFORE BE IT RESOLVED, that the following form of certificate of earnings be and is hereby approved:

THE OHIO STATE UNIVERSITY

Schedule of Expected Earnings Coverage under Section 6(b) of Bond Resolution as of July 1, 1963 for Issuance of Proposed \$6,500,000 Series H and J Bonds

Item No.

1. Estimated net income from the present dormitory facilities for the fiscal year ending June 30, 1962 after excluding net income from residents to be fed in the new Dining Facility-South. \$1,136,620

2. Adjustment in net income to give recognition to anticipated changes in operating costs. (Note 1) (55,000)

Estimated annual net income from facilities to be constructed with proceeds from (Note 2):

Series E, F and G Bonds

3. Married Housing Project No. 2 137,835
4. Dormitory F for Women 129,985
5. Men's Housing No. 1 and No. 2 and Dining Facility 281,015

Series H and J Bonds

6. Student Housing 143,949
7. Dining Facility-North 270,619
8. Dining Facility-South 328,318

9. Total estimated net income for the fiscal year ending June 30, 1963 and projected annual net income from facilities to be constructed. \$2,373,341

10. Maximum amount to become due in any succeeding fiscal year for principal and interest on Series A, B, C, D, E, F, G, H and J Bonds. \$1,507,159

11. Ratio of total to maximum principal and interest requirements on Series A, B, C, D, E, F, G, H and J Bonds 1.57

Note 1: Operating Expenses increased 2% to give recognition to anticipated changes in Operating Costs.

XI. REPORTS (continued)

A. Report of the Finance Committee (continued)

2. Resolution Approving Earnings Certificate Under Section 6(b) of Bond Resolution (continued)

Note 2: Estimated net income computed in accordance with the present Trust Agreement on the basis of 95% occupancy and estimated expenses consistent with those experienced in similar existing facilities. 95% occupancy is consistent with experience to date.

3. Construction Bank Account

RESOLVED, that either the President or Vice President, Business and Finance, on behalf of the University and this Board of Trustees are authorized to give such instructions as the officer acting shall, from time to time, deem advisable and consistent with the bond resolution, trust agreement and loan agreement with respect to the deposits in, or withdrawal from, application, disposition, or establishment of any account in The Huntington National Bank of Columbus (or other bank) and the deposit therein of the proceeds of sale of the Dormitory Revenue Bonds, Series H and J, or of loans effected as interim financing pending issuance of said bonds, and the Board hereby adopts such forms of resolutions as may be required by such bank to effect the foregoing.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the above report and resolutions were unanimously adopted.

B. Report on Investment Portfolio

The report on the University's Investment Portfolio dated December 31, 1961, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

C. Report from the Committee on Retirement and Insurance

Mr. Smith L. Rairdon, Chairman of the Committee on Retirement and Insurance, reviewed a report of the insurance coverage of The Ohio State University which was mailed to each member of the Board of Trustees on November 14, 1961. Mr. Rairdon noted that the expiration dates of the insurance policies have been purposely grouped to achieve a more comprehensive insurance coverage program.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, and by unanimous roll call vote, the report was accepted and the Secretary was instructed to file it with the official records of the Board of Trustees.

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January 12, 1962 meeting, Board of Trustees

XII. MISCELLANEOUS

A. Appointment of Trustee Member to the Research Foundation Board of Directors

The Chairman, John W. Bricker, with the concurrence of the Board of Trustees appointed Thomas F. Patton as the Trustee Member on the Board of Directors of the Research Foundation for a term of three years in accordance with the Code of Regulations of The Ohio State University Research Foundation.

B. Announcement of Dates for Future Meetings of the Board of Trustees

The Chairman announced and the Board concurred on the following dates for future meetings of the Board of Trustees. The meetings will convene at 10 A. M. unless otherwise specified in the notice of the meeting.

February 16, 1962	May 18, 1962
March 15, 1962	June 15, 1962
April 6, 1962	July 13, 1962

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Thereupon the Board adjourned to meet Friday, February 16, 1962, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX VI

INTERIM FINANCING AGREEMENT

AND AMENDMENT

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THE HUNTINGTON NATIONAL BANK

of Columbus, Ohio
Organized 1866

Clair E. Fultz
President

December 7, 1961

Mr. Gordon B. Carson, Vice President
The Ohio State University
190 Oval Drive
Columbus 10, Ohio

Dear Mr. Carson:

Confirming our mutual understanding, we are pleased to advise that this Bank, as Principal, together with the other Banks hereinafter named as Participants, will loan to The Ohio State University funds not exceeding in the aggregate, the sum of \$6,500,000.00 to provide the interim financing required to defray the cost of that construction described in your letter of November 3, 1961, as being "Interim Financing, Student Housing and Dining Facilities, Dormitory Revenue Bonds, Series H and J," providing for the construction of seven 4-story dormitories for approximately 1,444 men and women students and 28 proctors; one dining facilities building for approximately 1,200 students; and an addition to an existing central dining facilities building for approximately 550 students, which construction we will refer to collectively herein as the "Project".

Such loan shall be evidenced by a note or notes due on or before thirty-four (34) months after the date of the first disbursement thereof, such note or notes to be substantially in the form of a copy thereof hereto attached and marked "Exhibit A". The form of such note may be changed in such respects as may be required by The Housing and Home Finance Agency of the United States, herein referred to as H. H. F. A., provided no such change shall adversely affect the rights of the holder of such note or notes.

You have delivered to us a firm loan agreement dated October 1, 1961, entered into by The Ohio State University and the United States of America, through the Housing and Home Finance Administrator, whereby, if a private purchaser cannot be obtained therefor, the Government will obligate itself to purchase bonds to be issued under the Trust Agreement between The Ohio State University and The Ohio National Bank of Columbus, Trustee, dated as of April 15, 1957, in an aggregate principal amount of \$3,000,000.00, which shall be known as Series "J" 3-1/2% Bonds.

This commitment to make such loan is subject to the following conditions:

1. That the United States of America execute and deliver to The Ohio State University and its Board of Trustees all such other Statements of Intent and other documents required or permitted pursuant to the provisions of Title IV of the Housing Act of 1950 (P. L. 475, 81st Congress) and all amendments thereto, in form satisfactory to our counsel and counsel for the participating Banks.

Mr. Gordon B. Carson, Vice President
The Ohio State University
Columbus 10, Ohio

2. That The Ohio State University enter into an agreement with us in form and substance reasonably satisfactory to our counsel and counsel for the participating Banks requiring that the University at or before the time limited therefor issue and sell to the public Series "H" bonds in the aggregate face amount of \$3,500,000.00, to be secured under the terms of the Trust Agreement above described, at such price, as together with the proceeds of those bonds which H.H.F.A. shall have purchased or obligated itself to purchase, shall be sufficient to repay at maturity the principal and all accrued interest of the loan with respect to which this commitment is issued.
3. That interest at the rate of 3-1/4% per annum shall be payable quarterly from the date of the first disbursement on all funds disbursed on account of such loan.
4. That the University furnish us such assurance as our counsel shall deem satisfactory that (a) The Ohio State University can and will comply with all the terms and conditions of the Loan Agreement between it and the United States of America and the Trust Agreement between it and The Ohio National Bank of Columbus, Trustee; and (b) that the United States of America, acting through H.H.F.A., has approved the terms and conditions of the loan with respect to which this commitment is issued to the extent that such approval is required by the provisions of the Loan Agreement referred to above.
5. That we be furnished with an opinion from Squire, Sanders and Dempsey affirmatively stating that (a) the Board of Trustees of The Ohio State University possess the legal power, general or special, to authorize and make such loan, including the power to execute and deliver a note or notes evidencing the same in the form submitted herewith; to enter into a Loan Agreement or agreements; and to execute other documents evidencing and pertaining to the payment of such debt; (b) when executed and delivered, such note or notes will constitute the valid and binding obligation of The Ohio State University to pay the debt evidenced thereby in accordance with the terms thereof and of the Loan Agreement, and that all requirements imposed by law, State or Federal, to make such loan completely legal, have been fully complied with by the University and H.H.F.A.; (c) the interest which will accrue on such note or notes and upon the bonds to be executed, sold and delivered as hereinabove required, under present statutes, decisions and rulings, is exempt from federal income tax.

Mr. Gordon B. Carson, Vice President
The Ohio State University
Columbus 10, Ohio

6. That any and all construction contracts, the contractors employed, the performance and payment bonds required of them, as well as the bonding company issuing such performance and payment bonds incident to the construction of the Project be approved by us.
7. That such loan be disbursed as construction or development of the Project progresses only in such amounts as the architect in charge of such construction, from time to time, shall certify to us that equipment, materials, labor, and services in an amount equal to any requested disbursement have been rendered or acquired for or incorporated into the Project or have been delivered to site for such incorporation.
8. That we be furnished with executed or certified copies of any and all documents entered into which pertain to the loan or any phase thereof, including, without limitation, the Loan Agreement, plans and specifications of the Project, and any construction contracts entered into with respect thereof.

You are advised that as Principal we will have the following banks participating with us in the loan:

The Central National Bank of Cleveland
The Cleveland Trust Company
Union Commerce Bank, Cleveland
The City National Bank & Trust Company of Columbus
The Ohio National Bank of Columbus
The Columbus Savings Bank
The Northern Savings Bank, Columbus
The First National Bank of Cincinnati
The Central Trust Company, Cincinnati
The Toledo Trust Company
The National Bank of Toledo

Very truly yours,

(Signed) C. E. Fultz

President

CEF:iw
Enclosure

EXHIBIT A

PROMISSORY NOTE

\$ _____ Columbus, Ohio, _____, 19 _____

On or before _____, for value received, The Ohio State University and its Board of Trustees promise to pay to the order of The Huntington National Bank of Columbus, Columbus, Ohio

_____ Dollars (\$ _____),
at any office of said Bank, with interest payable quarterly at the rate of 3-1/4% per annum, on the unpaid principal amount hereof from time to time outstanding until the principal hereof becomes due, and at the rate of 3-1/4% per annum on any overdue payments of principal and/or interest. The principal and interest hereof are payable solely from receipts from all dormitory facilities of said University located on or near the campus, after providing for the reasonable and proper expenses of operation and maintenance thereof and after all payments required to be made to the special funds under Trust Agreement between The Ohio State University and The Ohio National Bank of Columbus, Trustee, dated as of April 15, 1957, and from the proceeds of Dormitory Revenue Bonds issued and sold as contemplated by or pursuant to said Trust Agreement and a certain loan agreement between said University and the United States of America acting through the Housing and Home Finance Administrator dated _____, 1961, providing for the sale of Dormitory Revenue Bonds to the public, and is subject to the pledge of revenues to secure Dormitory Revenue Bonds provided for in said Trust Agreement.

This note is executed on behalf of said Board of Trustees of The Ohio State University solely in their capacity of such Trustees and shall not constitute their personal obligation either jointly or severally in their individual capacities.

All endorsers whose names now appear or are hereafter written on this instrument do severally waive presentment, demand, protest and notice of protest and dishonor hereof.

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees, jointly and severally, have caused this note to be signed on their behalf by the _____ and the _____
and to bear the seal of said University as of the above written day and year.

THE OHIO STATE UNIVERSITY and
THE BOARD OF TRUSTEES OF
THE OHIO STATE UNIVERSITY

By _____
President of The Ohio State University

By _____
Vice President, Business and Finance
The Ohio State University

By _____
Secretary of the Board of Trustees
The Ohio State University

Attest _____

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Y

THE HUNTINGTON NATIONAL BANK

of Columbus, Ohio
Organized 1866

Clair E. Fultz
President

January 5, 1962

Mr. Gordon B. Carson
Vice President - Business and Finance
The Ohio State University
190 North Oval Drive
Columbus 10, Ohio

Dear Mr. Carson:

Pursuant to the request of your bond counsel, Squire, Sanders and Dempsey, as set forth in your letter of December 28, we consent to revision of our commitment letter dated December 7, 1961, so that reference to the "project" as contained in paragraph "numbered 1." of Squire, Sanders & Dempsey's letter of December 22, 1961, be amended so that such reference shall read as follows:

"Interim financing, student housing and dining facilities, dormitory revenue bonds, Series H and J, providing for the construction of seven 4-story dormitories for approximately 1,444 men and women students and 28 proctors; one dining facilities building for approximately 1,200 students, and one dining facilities building for approximately 1,100 students, herein collectively called the 'project'".

We also agree that the word "of" may be deleted and the word "as" inserted in the second line of the second paragraph of the second line of the note, referred to as "Exhibit A."

We also consent to the deletion of the signature line for the Secretary of the Board of Trustees, and to provide for the Secretary of the Board of Trustees to attest.

We enclose revised form of promissory note, Exhibit A, which provides for these changes.

Sincerely yours,

(Signed) C. E. Fultz

President

CEF:iw
Enclosures

EXHIBIT A

PROMISSORY NOTE

\$ _____, 1962
Columbus, Ohio

On or before _____, for value received, The Ohio State University and its Board of Trustees promise to pay to the order of The Huntington National Bank of Columbus, Columbus, Ohio, _____ Dollars (\$ _____), at any office of said Bank, with interest payable at the rate of 3-1/4% per annum, on the unpaid principal amount hereof from time to time outstanding until the principal hereof becomes due, and at the rate of 3-1/4% per annum on any overdue payments of principal and/or interest. The principal and interest hereof are payable solely from receipts from all dormitory facilities of said University located on or near the campus, after providing for the reasonable and proper expenses of operation and maintenance thereof and after all payments required to be made to the special funds under Trust Agreement between The Ohio State University and The Ohio National Bank of Columbus, Trustee, dated as of April 15, 1957, and from the proceeds of Dormitory Revenue Bonds issued and sold as contemplated by or pursuant to said Trust Agreement and a certain loan agreement between said University and the United States of America acting through the Housing and Home Finance Administrator dated _____, 1960, providing for the sale of Dormitory Revenue Bonds to the public, and is subject to the pledge of revenues to secure Dormitory Revenue Bonds provided for in said Trust Agreement.

This note is executed on behalf of said Board of Trustees of the Ohio State University solely in their capacity as such Trustees and shall not constitute their personal obligation either jointly or severally in their individual capacities.

All endorsers whose names now appear or are hereafter written on this instrument do severally waive presentment, demand, protest and notice of protest and dishonor hereof.

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees, jointly and severally, have caused this note to be signed on their behalf by the _____ and the _____ and to bear the seal of said University as of the above written day and year.

THE OHIO STATE UNIVERSITY and
THE BOARD OF TRUSTEES OF
THE OHIO STATE UNIVERSITY

Attest:

By _____
President of The Ohio State University

Secretary of the Board of Trustees
The Ohio State University

By _____
Vice President, Business and Finance
The Ohio State University

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-SEVENTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 16, 1962

The Board of Trustees met at its regular meeting on Friday, February 16, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Alan B. Loop, Jacob E. Davis and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Approval of Campus Master Plan

The Board of Trustees at its meeting on December 12, 1961 received and made a matter of record the final report of the firm of Caudill, Rowlett and Scott recommending a master plan for the future development of the campus.

The President was instructed by the Board to study and analyze the master plan report and to submit his recommendations to the Board of Trustees with respect to adopting or modifying the master plan as presented in the report. A report of this analysis, together with the President's recommendation that the campus master plan with minor modifications be approved, is now submitted for consideration by the Board. Also submitted are a supplementary document prepared by Caudill, Rowlett and Scott entitled "Technical Supplement to the Comprehensive Master Plan" and a list of minor corrections to the "Campus Planning Study--Phase II" report.

It is recommended that the President's report be approved and the recommendations therein be adopted and that the other two documents identified above be made a matter of record and filed with the "Campus Master Planning Study--Phase II" report submitted on December 12, 1961.

Upon motion of Mr. Davis, seconded by Mr. Ketner, the above recommendations with respect to the campus master plan study were unanimously approved by roll call vote, and the Secretary was instructed to include the "Report of the President on the Campus Planning Study--Phase II" as an Appendix to these minutes. (See Appendix VII, p. 358)

Following the above action by the Board of Trustees, the Chairman, John W. Bricker, commended President Fawcett for his excellent report. He also praised Dr. John Herrick and staff for the leadership which they have given to this study.

B. University Supplemental Plan for Retired Persons - Source of Funds

It is recommended that the Board of Trustees' action of July 10, 1959, be amended to authorize the Vice President, Business and Finance, to make payments to emeriti and retired staff members who are eligible under the University's Supplemental Plan from the Group Insurance Dividend Reserve (Account No. 9001) or Interest on Endowment (Account No. 4002) as best utilization of funds may require at the time of payment.

Upon motion of Mr. Davis, seconded by Mr. Patton, the recommendation for the University Supplemental Plan for Retired Persons - Source of Funds was unanimously approved by roll call vote.

February 16, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Nomination for Honorary Degree - Mlle. Nadia Boulanger

On February 13, 1962, the Faculty Council recommended that the honorary degree Doctor of Humane Letters be awarded at an appropriate and acceptable date to Mlle. Nadia Boulanger.

It is therefore recommended that the Board of Trustees approve the Faculty Council's recommendation and that the degree indicated be conferred at the March 1962 Commencement.

Upon motion of Mr. Ketner, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the January 12, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Leaves of Absence With Salary and Leave of Absence Without Salary:

A. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Julia Ann Shank, Instructor (County Extension Agent, Home Economics) Columbiana County, April 1, 1962 through July 15, 1962, to study at Pennsylvania State University.

Lois A. Simonds, Instructor (Extension Specialist, Consumer Food Marketing), April 1, 1962 through June 15, 1962, to study at The Ohio State University.

Lowell O. Wilson, Instructor (County Extension Agent, Agriculture) Union County, April 1, 1962 through June 15, 1962, to study at The Ohio State University.

B. Leave of Absence Without Salary

Earl R. Carter, Teacher Trainer, Education, effective January 25, 1962. (Military Leave)

Upon motion of Mr. Loop, seconded by Mr. Davis, the Leaves of Absence With Salary, Leave of Absence Without Salary and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and
The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting:

1. Government Contracts - Federal

- a. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Deuteron-Induced Reactions (to be known as U. S. Atomic Energy Commission Project No. 735 - Sup. #5 - Department of Physics and Astronomy).
Gross Value - \$39,265.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Deoxyribonucleoside and Related Carcinolytes (to be known as National Institutes of Health Project No. 759 - Ext. #5 - Department of Chemistry).
Gross Value - \$54,113.00.
- c. Headquarters, Electronic Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Directed Toward Basic Information on Processes Caused by Collisions of Electrons and Molecules (to be known as Air Force Systems Command Project No. 883 - Mod. #5 - Department of Chemistry).
Gross Value - \$15,000.00.
- d. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis (to be known as Aeronautical Systems Division Project No. 920 - Mod. #6 - RF Internal Supervision).
Gross Value - \$10,000.00.
- e. National Aeronautics and Space Administration, 1520 H Street, N. W., Washington 25, D. C., for Theoretical and Experimental Research on the Initiation and Development of Detonation Waves in Combustible Gas Mixtures (to be known as National Aeronautics and Space Administration Project No. 1013 - Sup. #1 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$59,609.55.
- f. Headquarters, Electronic Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for an Investigation of Thermal Radiation Methods of Atmospheric Probing (to be known as Air Force Systems Command Project No. 1055 - Mod. #3 - Department of Physics and Astronomy).
Gross Value - \$35,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Ethanolamine Metabolism in Animals and Plants (to be known as National Institutes of Health Project No. 1217 - Ext. #1 - Department of Physiological Chemistry and Pharmacology).
Gross Value - \$8,654.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Conduction Mechanism in Experimental Hyperpathia (to be known as National Institutes of Health Project No. 1230 - Ext. #1 - Department of Surgery).
Gross Value - \$5,865.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Constituents of Mammea americana L. and Related Plants (to be known as National Institutes of Health Project No. 1231 - Ext. #1 - Department of Chemistry).
Gross Value - \$12,446.00.
- j. Institute of Technology, Air University, Wright-Patterson Air Force Base, Ohio, for Research and Services to Further Develop Curricula and Present Courses of Instruction, Advanced Logistics Course and Air Materiel Command Logistics Education Program (to be known as Institute of Technology, WPAFB, Ohio Project No. 1343 - Sup. #2 - Defense Management Center).
Gross Value - \$35,040.00.
- k. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of Under-Achievement in Language Learning (to be known as Office of Education Project No. 1380 - New - Department of Romance Languages).
Gross Value - \$26,964.00.
- 1. National Aeronautics and Space Administration, 1520 H Street, N. W., Washington 25, D. C., for Theoretical and Experimental Analysis of the Electromagnetic Scattering and Radiative Properties of Terrain, with Emphasis on Lunar-like Surfaces (to be known as National Aeronautics and Space Administration Project No. 1388 - New - Department of Electrical Engineering).
Gross Value - \$50,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- m. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on the Application of the Luneberg Lens to ECM Antenna Systems (to be known as Aeronautical Systems Division Project No. 1394 - New - Department of Electrical Engineering).
Gross Value - \$59,500.00.
- n. U. S. Army Chemical Corps Biological Laboratories, Fort Detrick, Frederick, Maryland, for Basic Research in Life Sciences (to be known as U. S. Army Chemical Corps Biological Laboratories Project No. 1406 - New - Department of Medicine).
Gross Value - \$11,647.00.
- o. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for A Study to Evaluate Two Methods Using Magnetic Tape Recordings for the Self-Instructional Presentation of the Elemental Materials of Music (to be known as Office of Education Project No. 1407 - New - School of Music).
Gross Value - \$21,000.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Physiologic Studies in Newly Born Human Infants (to be known as National Institutes of Health Project No. 1408 - New - Department of Pediatrics - Children's Hospital).
Gross Value - \$43,884.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Hemodynamic Studies (to be known as National Institutes of Health Project No. 1409 - New - Department of Physiology).
Gross Value - \$13,086.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of Hard Dental Tissues and Restorative Materials (to be known as National Institutes of Health Project No. 1410 - New - College of Dentistry).
Gross Value - \$10,826.00.
- s. Headquarters, Aeronautical Chart and Information Center, Second and Arsenal Streets, St. Louis 18, Missouri, for Collection, Reduction, Processing and Evaluation of Gravity Data (to be known as Aeronautical Chart and Information Center Project No. 1411 - New - Department of Geodetic Science).
Gross Value - \$112,765.00.

February 16, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- t. National Science Foundation, Washington 25, D. C., for Continued Support of the Institute of Polar Studies, 1961-1962 (to be known as National Science Foundation Project No. 1412 - New - Institute of Polar Studies).
Gross Value - \$28,200.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Self-administered Procedures in Speech and Hearing (to be known as National Institutes of Health Project No. 1414 - New - Department of Speech).
Gross Value - \$43,225.00.
- v. Classified Program (to be known as Classified Program Project No. 1083 - Sup. #7 - Department of Electrical Engineering).
Gross Value - \$300,000.00.

TOTAL - Government Contracts - Federal \$996,089.55

2. Industrial and Other Contracts

- a. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #30 - Department of Electrical Engineering).
Gross Value - \$567.00.
- b. The Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of Micro Eye Movements During Fixation and Fusion as a Function of Illumination Level, Contrast, and Fusional Stress (to be known as Illuminating Engineering Research Institute Project No. 1155 - Ext. #1 - School of Optometry).
Gross Value - \$9,840.00.
- c. American Cancer Society, Inc., 521 W. 57th Street, New York 19, New York, for an Investigation of Tissue Culture Techniques as Applied to Hodgkin's Disease, Lymphomas, and Leukemias (to be known as American Cancer Society Project No. 1161 - Ext. #1 - Department of Medicine).
Gross Value - \$11,431.00.
- d. Wyandot County Heart Association, P. O. Box 3, Upper Sandusky, Ohio, for Development of a Prosthetic Aortic Valve (to be known as Wyandot County Heart Association Project No. 1265 - Ext. #1 - Department of Surgery).
Gross Value - \$1,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- e. The Midwest Program on Airborne Television Instruction, Memorial Center, Purdue University, Lafayette, Indiana, for Research and Evaluation on MPATI Telecasts, 1961-1962 (to be known as Midwest Program on Airborne Television Instruction Project No. 1367 - Ltr. 12/22/61 - Bureau of Educational Research and Service),
Gross Value - \$10,375.00.
- f. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Factor in Screening for Cardiovascular Disease (to be known as Central Ohio Heart Association Project No. 1387 - Ltr. 1/12/62 - Department of Physiology),
Gross Value - \$2,068.76.
- g. Charles Pfizer & Co., Inc., 235 East 42nd Street, New York 17, New York, for an Investigation of Effects of Terramycin on the Tracheobronchial Tree in Patients with Pulmonary Tuberculosis (to be known as Chas. Pfizer & Co. Project No. 1405 - New - Department of Surgery),
Gross Value - \$2,400.00.
- h. The American Cancer Society, Inc., 521 West 57th Street, New York 19, New York, for Cancer Research (to be known as American Cancer Society Project No. 1416 - New - Department of Pathology),
Gross Value - \$35,000.00.

TOTAL - Industrial and Other Contracts \$72,681.76

The foregoing thirty contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,068,771.31.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved by roll call vote.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from December 28, 1961 through January 31, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

- EES 206 Development of Instrumentation for Measuring Moisture and Cement Content of Fresh Concrete, Ohio Department of Highways, Columbus 15, Ohio.
Gross Value - \$43,800.00.

February 16, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

1. Government Research Contracts (continued)

- EES 207 Development of Instrumentation for Measuring Asphalt
Content of Asphaltic Mixtures, Ohio Department of
Highways, Columbus 15, Ohio.
Gross Value - \$45,600.00.
- EES 208 Development of Instrumentation to Measure Pavement
Thickness, Ohio Department of Highways, Columbus 15,
Ohio.
Gross Value - \$89,400.00.

TOTAL - Government Research Contracts \$178,800.00

2. Industrial Research Contracts

- EES 174 The Relationship of Upstream Flow Distortion and
Ext. #2 Accuracy of Orifice Meters, American Gas Association,
420 Lexington Avenue, New York 17, New York.
Gross Value - \$4,000.00.
- EES 204 A Study of Hydrostatic Oil Bearings, The Gleason Works,
1000 University Avenue, Rochester 3, New York.
Gross Value - \$8,966.07.
- EES 205 Hollow Lightweight Aggregate Studies, The Richland
Shale Brick Company, Mansfield, Ohio.
Gross Value - \$7,920.00.

TOTAL - Industrial Research Contracts \$20,886.07

The foregoing six contracts for research in the Engineering Experiment
Station represent a gross income of \$199,686.07.

C. Agreement to the Terms of Ordinance No. 136-62 Passed by Council of the
City of Columbus

It is hereby recommended that the President be authorized to sign a state-
ment of agreement to the terms and conditions contained in Ordinance No.
136-62, passed by the Council of the City of Columbus, Ohio, February 5,
1962, to grant The Ohio State University the right and privilege to construct,
use and maintain certain telephone, electric, gas, sewer, water and heating
lines, in West Woodruff Avenue, Joe Alley, West Frambes Avenue and
Peasley Street, between specified limits, in connection with its student
housing project.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Agreement to the Terms of Ordinance No. 136-62 Passed by Council of the City of Columbus (continued)

The above ordinance was proposed by the Vice President, Business and Finance, and the Attorney General's office has indicated that the ordinance is satisfactory for acceptance.

Upon motion of Mr. Davis, seconded by Mr. Patton, and by unanimous roll call vote, the President was authorized to sign a statement of agreement to the terms and conditions contained in Ordinance No. 136-62 between the City of Columbus and the University.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$194,375.00 granted by the National Science Foundation to the University for support of "New Facilities for Research in Metal Physics and Physical Chemistry of Metals," Department of Metallurgical Engineering. (Grant NSF-G21823) (An additional amount of \$400,000.00 has been released by the Controlling Board of the State of Ohio to be used for the construction of these new facilities.)
2. \$3,165.00 granted by the National Science Foundation to the University for support of an "Undergraduate Science Education Program," under the direction of Frank L. Himes, Department of Agronomy, to terminate on or about July 31, 1963. (Grant NSF-G21649)
3. \$29,670.00 granted by the National Science Foundation to the University for support of an "Undergraduate Science Education Program," under the direction of Lloyd M. Parks, College of Pharmacy, to terminate on or about July 31, 1964. (Grant NSF-G21860)
4. \$17,300.00 granted by the National Science Foundation to the University for support of a "Summer Science Training Program for Secondary School Students," under the direction of Paul T. Yarrington, College of Engineering. (Grant NSF-G21196)
5. \$75,000.00 granted by The Ford Foundation to the University for "Forgivable Predoctoral Loans to Future Engineering Teachers," for a period of two years. The loan funds are to be disbursed through the Office of Student Financial Aids and Scholarships, upon the recommendation of the Dean of the College of Engineering and the Dean of the Graduate School.

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

6. \$65,860.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University as a training grant for a project entitled "Infectious Diseases and Tropical Medicine," under the direction of Dr. G. W. Wharton, Department of Zoology and Entomology, for the period January 1, 1962 through June 30, 1966. (NIH-2E-216)
7. \$55,646.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Traineeships in Physical Medicine and Rehabilitation," under the direction of Dr. Ernest W. Johnson, Department of Physical Medicine and Rehabilitation, for the period September 1, 1961 through August 31, 1962. (Grant OVR 151-62 - Amendment #1)
8. \$22,219.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Teaching and Traineeship Grant" in the area of Speech Pathology and Audiology, under the direction of Dr. John W. Black, Department of Speech, Director, Speech and Hearing Science, for the period September 1, 1961 through August 31, 1962. (Grant OVR 222-62 - Amendment #1)

B. Received Through the Development Fund

1. \$30,000.00 granted by the E. I. du Pont de Nemours & Company to the University for Grants-in-Aid of Fundamental Research in the Departments of Chemistry, Chemical Engineering, Physics and Metallurgy, for the academic year 1962-1963.
2. \$2,100.00 from The Ohio Fuel Gas Company to the University as an unrestricted gift. This gift is in line with a policy of The Columbia Gas System whereby an allowance of \$300.00 per employee is made to each college or university from which graduates are procured for employment within their company.
3. \$400.00 for The Hamilton and Kramer Law Firm Fund.

The Hamilton and Kramer Law Firm Fund

The Hamilton and Kramer Law Firm Fund was established February 2, 1962, by a gift through the Development Fund from the law offices of Hamilton and Kramer. The principal and any additional contributions are to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income shall be used for aid and assistance to deserving law students as determined by the Dean of the College of Law.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

February 16, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund

1. Month of December, 1961

In December, 1961, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,144	\$ 111,481.81
Individuals, Other Than Alumni	38	10,684.05
Non-Profit Organizations	21	44,655.83
Business Concerns	18	16,947.00
	<u>2,221</u>	<u>\$ 183,768.69</u>

Of these gifts, 1,672 totaling \$77,639.45 were undesignated and 549 totaling \$106,129.24 were designated.

2. Annual Report, 1961

The totals for the calendar year 1961, January 1 through December 31, are as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	30,686	\$ 444,530.73
Individuals, Other Than Alumni	816	48,267.08
Non-Profit Organizations	532	713,515.73
Business Concerns	266	366,979.79
	<u>32,300</u>	<u>\$1,573,293.33</u>

Of these gifts, 26,951 for \$247,151.94 were undesignated and 5,349 totaling \$1,326,141.39 were designated for special projects.

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V. APPROPRIATION AND TRANSFER OF FUNDS

A. Home Economics - Transfer of Funds

Upon the request of the Director of the School of Home Economics and with the concurrence of the Dean of the College of Agriculture and Home Economics, it is recommended that the sum of \$20,000.00 be transferred from Pomerene Refectory Rotary 86228 to Rotary 18311.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the transfer of funds from Rotary 86228 to Rotary 18311 was unanimously approved by roll call vote.

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February 16, 1962 meeting, Board of Trustees

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Men's Housing #1 and #2

General Contract

It is recommended that the following changes be made:

1. Provide acoustic ceilings in all student bedrooms and study rooms. Add \$5,000.00.
2. Provide Plastic Paint Wainscots in Bathrooms, Corridors, etc. Add \$3,500.00.

Total addition \$8,500.00

Funds will be provided from the Dormitory Construction Fund.

B. Infectious Diseases Laboratory

Heating and Ventilating Contract

It is recommended that a weather proof aluminum grille be furnished and installed in the exterior door of the Equipment Room to provide combustion air necessary for gas fired heating unit.

Add \$ 65.00

Funds will be provided from Account 713, H.B. 390.

C. Improvements in Classrooms and Laboratories in Hamilton Hall

It is recommended that an extension of time for completion of contracts be granted from January 30 to March 31, 1962 because of the delay in receipt of certain equipment to be installed.

D. Veterinary Clinic Building, Remodel Room 16

It is recommended that an extension of time for completion of contracts be granted from February 9 to March 30, 1962 because of the delay in receipt of the lead shielding material.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of material and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repairs for Two Radial Brick Chimneys at The Ohio State University Power Plant

Funds for this project will be provided from Department 2370 Power Plant, Budget Account 12350 Contract Repair and Remodeling, H.B. 390.

B. Research Space - East Side of Stadium

Funds for this project will be provided from Account 714 Research Space East Side of Stadium, H.B. 390.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendations were unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Derby Hall - University Bookstore Entrance

Bids were received on December 19, 1961 and the General, Heating and Ventilating, and Plumbing Contracts were readvertised with bids received on January 17, 1962 for this project. The award of contracts has been recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received)		
Modular Construction Co. (Columbus)	\$22,964.00	\$26,827.00
<u>Heating and Ventilating Contract</u>		
(4 bids received)		
H & G Plumbing & Heating Co. (Cols.)	1,950.00	2,430.00

February 16, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Derby Hall - University Bookstore Entrance (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Plumbing Contract</u> (3 bids received)		
H & G Plumbing & Heating Co. (Cols.)	\$ 450.00	\$ 710.00
<u>Electrical Contract</u> (5 bids received)		
Pence Electric Co. (Columbus)	<u>2,690.00</u>	<u>3,546.00</u>
<u>Total Contracts</u>	<u>\$28,054.00</u>	<u>\$33,513.00</u>

Funds for this project will be provided from the Bookstore Rotary.

B. Repairs in Mendenhall Laboratory, Rooms 101 and 104

Bids were received on January 24, 1962 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (9 bids received)		
Pendleton Construction Co. (Columbus)	\$4,300.00	\$4,275.00
<u>Electrical Contract</u> (10 bids received)		
R. C. Frisby Electric Co. (Columbus)	<u>1,723.00</u>	<u>3,000.00</u>
<u>Total Contracts</u>	<u>\$6,023.00</u>	<u>\$7,275.00</u>

Funds will be provided from Subaccount B of the University Treasurer Research Account No. 19609.

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above award of contracts were approved and the actions of the Vice President, Business and Finance, ratified by roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 124 Authorizes the release of \$6,859.00 for the employment of a professional engineering firm and architectural services for the project "Van de Graaff Building", from S.B. 592.
- 125 Approves the transfer of \$5,667.00 from Account 200 Maintenance to Account 752 Campbell Hall, H.B. 390.

IX. CONTROLLING BOARD APPROVALS (continued)

- 126 Authorizes the release of \$23,310.00 from S.B. 592 to provide funds for the employment of architectural and engineering services for the construction of laboratory facilities for graduate research in the fields of metal physics and physical chemistry of metals.
- 131 Approves the transfer and expenditure of \$121.00 for an extra order to the Plumbing Contract on the project "Low Level Radiation Laboratory", from Account 200 Maintenance to Account 758 Low Level Radiation Laboratory, H.B. 390.
- 132 Approves the transfer and expenditure of \$322.43 from Account 200 to Account 762 Replacement of Condensate Return and Hot Water Heating Lines in Tunnels, H.B. 390, to provide funds for an extra order on this project.
- 133 Approves the transfer and expenditure of \$607.00 from Account 200 to Account 752 Campbell Hall, H.B. 390, to provide funds for an extra order to the Plumbing Contract on this project.
- 134 Approves the transfer and expenditure of \$35.85 from Rotary 601 to Account 711 Aviation Psychology Laboratory Remodeling, H.B. 390, to provide funds for extra orders on this project.
- 135 Approves the transfer and expenditure of \$100.00 from Rotary 601 to Account 706 Institute of Research in Vision, H.B. 390, to provide funds for an extra order on the Heating and Ventilating Contract for this project.
- 136 Approves the release of \$6,267.00 from Account 764 Remodel Robinson Laboratory, H.B. 390, to provide funds for extra work involved in providing facilities for the Engineering Placement Office.
- 137 Approves the transfer and expenditure of \$386.38 from Account 200 to Account 750 Botany and Zoology Building, H.B. 390, to provide funds for an extra order to the General Contract for this project.
- 138 Approves the transfer and expenditure of \$226.00 from Account 200 to Account 751 Remodel Rehearsal Hall, H.B. 390, for extra orders to the General Contract on this project.
- 139 Approves the transfer and expenditure of \$600.50 from Account 200 to Account 755 Additional Library Stacks, H.B. 390, for an extra order and photostats for this project.
- 140 Approves the transfer and expenditure of \$46.00 from Account 200 to Account 757 Addition to Fine Arts Building, H.B. 390, for an extra order to the Plumbing Contract.
- 141 Approves an extra order to the contract for "Repair and Pointing of Stonework - Mershon Auditorium" and the expenditure of \$1,130.00 from Account 200, H.B. 390, for this purpose.

February 16, 1962 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS (continued)

- 142 Approves the transfer and expenditure of \$92.00 from Account 200 to Account 764 Remodel Robinson Laboratory, H.B. 390, for extra orders to the Heating and Ventilating Contract.
- 143 Approves the transfer and expenditure of \$272.00 from Rotary 601 to Account 712 Law Center Building, H.B. 390, for an extra order to the General Contract.
- 144 Approves the transfer and expenditure of \$247.00 from Account 200 to Account 763 Administration Building Remodeling, H.B. 390, for an extra order to the General Contract.
- 145 Approves the transfer and expenditure of \$120.00 from Rotary 601 to Account 711 Aviation Psychology Laboratory Remodeling, H.B. 390, for an extra order to the Electrical Contract.
- 146 Approves the transfer of \$228,853.00 from the Second Quarter allotment for personal service, Account 100, University Hospital, to the Third Quarter.
- 147 Approves the transfer of \$6,267.00 from Account 200 Maintenance to Account 764 Remodel Robinson Laboratory, H.B. 390.
- 148 Approves the release of \$5,168.34 from Account 752 to provide funds from H.B. 390 for the employment of professional engineers for the project "Addition to Campbell Hall."
- 150 Approves advertising for bids on a 10-day basis for the project "Repairing and Remodeling Rooms 101 and 104 in Mendenhall Laboratory."
- 151 Approves the transfer and expenditure of \$275,000.00 from Account 601 to Account 717 Structure to House Van de Graaff Generator (\$83,710.00) and Account 720 Housing for Metallurgical Laboratories (\$191,290.00), H.B. 390, as an advance for funds appropriated in S.B. 592.
- 152 Approves the release of \$84,431.00 from Account 004 Structure to House Van de Graaff Generator, S.B. 592.
- 153 Approves the release of \$185,400.00 from Account 005 Housing for Metallurgical Laboratories, S.B. 592.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Charles E. Cory be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of

February 16, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Special Policeman Commission (continued)

Trustees require Mr. Corey, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

B. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Richard H. Ebersbach be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mr. Ebersbach, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

C. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Arthur R. Kelly be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mr. Kelly, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Buildings and Property, 133 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Mary J. Deuschle at a price of \$12,000.00:

Property known as 133 West Frambes Avenue, being lot #108,
R. P. Woodruff's Agricultural College Addition, City of Columbus,
County of Franklin, State of Ohio.

Funds will be provided from Land Purchase Account 765, H.B. 390.

Upon motion of Mr. Ketner, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Purchase of Buildings and Property, 163 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Alanson G. Bullard at a price of \$12,300.00:

Property known as 163 West Frambes Avenue, being lot #100, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds will be provided from Land Purchase Account 765, H.B. 390.

Upon motion of Mr. Ketner, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

F. Purchase of Buildings and Property, 209 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Arthur and Bessie King at a price of \$11,000.00:

Property known as 209 West Frambes Avenue, being lot #90, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds will be provided from Land Purchase Account 765, H.B. 390.

Upon motion of Mr. Ketner, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

G. Purchase of Buildings and Property, 135 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Helen S. Legg and Eugene F. Kepke at a price of \$11,900.00:

Property known as 135 West Frambes Avenue, being lot #107, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Account 760, North Dormitory Land Purchases, H.B. 390.

Upon motion of Mr. Ketner, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

H. Purchase of Buildings and Property, 144 West Woodruff Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Helen S. Legg at a price of \$21,200.00:

February 16, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

H. Purchase of Buildings and Property, 144 West Woodruff Avenue (continued)

Property known as 144 West Woodruff Avenue, being lots #34 and #35, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Account 760, North Dormitory Land Purchases, H.B. 390.

Upon motion of Mr. Ketner, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Earl Jones, Professor Emeritus of the Agricultural Extension Service, and Arthur F. Schalk, Professor Emeritus of Veterinary Preventive Medicine, and in accordance with instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished to the families of the deceased.

A. Earl Jones

The Board of Trustees expresses its sorrow at the death on December 29, 1961 of Earl Jones, Professor Emeritus.

Professor Jones' life was one of dedicated and outstanding service to his Alma Mater and to Ohio people. He served 36 years as an Extension Specialist in Agronomy in the College of Agriculture and Home Economics at The Ohio State University, retiring from active service in 1956.

Professor Jones received his B.S. in Agriculture in 1912 and his M.S. in 1913, both at The Ohio State University. He served two years as an Instructor in Agronomy in Maine and five years as Extension Agronomist at Massachusetts College of Agriculture before returning to Ohio State.

Earl Jones endeared himself to his associates on the staff and to thousands of agricultural leaders throughout Ohio by being deeply concerned with problems of people and by diligently seeking with them the scientific solutions to their problems. His extensive training and broad experience in agronomy equipped him admirably to command the confidence, respect, and admiration of those with whom he came in contact. Thoroughness of approach to problems, perseverance in seeking solutions, and promptness in communicating with his constituents characterized his method of operation.

The total program of The Ohio State University was greatly enhanced by the contributions made by Professor Jones.

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Earl Jones (continued)

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Arthur F. Schalk

The Board of Trustees expresses its sorrow at the death on January 12, 1962 of Arthur F. Schalk, Professor Emeritus of Veterinary Preventive Medicine.

Dr. Schalk was born in Hamilton, Ohio, on June 12, 1880 and received his Doctor of Veterinary Medicine degree from The Ohio State University in 1908. Prior to joining the staff of The Ohio State University's College of Veterinary Medicine, he served for twenty years on the staff of the Veterinary Science Department of the North Dakota State College of Agriculture. He was appointed professor and head of the Department of Veterinary Preventive Medicine at Ohio State in 1930 and served in that capacity until his retirement on June 30, 1950.

Professor Schalk's pioneering work in the field of veterinary preventive medicine was largely instrumental in establishing the importance of preventive medicine as a part of the veterinary educational programs in colleges of veterinary medicine in the United States and the major role now attached to preventive medicine in modern veterinary practice and animal production. His lifetime research activities and publications have contributed immeasurably to our knowledge in the broad field of animal diseases.

Dr. Schalk will best be remembered by his students as a dynamic, inspirational teacher, who was deeply concerned with his students' welfare. He was an active member of many State, national, and international professional organizations and in 1948 was awarded the Borden Award of the American Veterinary Medical Association for his research in cattle diseases.

Dr. Schalk also took an active interest in civic affairs. He was a member of the Columbus Board of Health for twenty years, during four years of which he served as the Board's president.

Because of his dedication to his profession through teaching, research and community service and particularly because of his pioneering spirit in developing the field of veterinary preventive medicine, Dr. Schalk has brought outstanding recognition to The Ohio State University and has exerted a lasting influence on the profession of veterinary medicine.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Report of the Finance Committee

Mr. Patton presented the following report concerning an application to the Federal Housing and Home Finance Agency for loan assistance:

Student Housing, Dining Facility and Central Commissary

It is recommended that an application for loan assistance, under Title IV of the Housing Act of 1950, be filed to obtain funds for three dormitories to house 2,442 single students, one dining facilities building for 1,800 students and a food service central commissary. It is estimated to cost approximately \$12,000,000.00, including architect's fees, roads, site improvement and movable equipment. The estimated cost of construction is \$11,200,000.00 and the estimated cost of movable equipment and other non-eligible costs is \$800,000.00.

The application will request a federal loan in the amount of 50% of the cost of construction, or \$5,600,000.00 and additional bonds will be sold to private investors for the balance of the construction costs, plus the cost of movable equipment and other non-eligible costs (total \$6,400,000.00).

NOW, THEREFORE, BE IT RESOLVED, that the President of the University and the Vice President, Business and Finance, of the University, or either of them, are authorized on behalf of the University to file an application or applications or amendments or supplements to existing applications in such form or forms as they shall deem advisable to obtain from the United States Government, acting through the Housing and Home Finance Administration, and pursuant to Title IV of the Housing Act of 1950, loan assistance in the amount of \$5,600,000.00 to cover one-half of the cost of the project known as Student Housing, Dining Facility, and Central Commissary, exclusive of the cost of movable equipment and such other costs as are not permitted to be included under the rules of practice of the Housing and Home Finance Administration.

Upon motion of Mr. Patton, seconded by Mr. Davis, the foregoing recommendation and resolution were approved by unanimous roll call vote.

B. Report on Investment Portfolio

The report on the University's Investment Portfolio dated January 31, 1962, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

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February 16, 1962 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, March 15, 1962, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX VII

THE OHIO STATE UNIVERSITY

Report of the President
on the
"Campus Planning Study--Phase II"

February 16, 1962

THE OHIO STATE UNIVERSITY

Report of the President on the "Campus Planning Study--Phase II"

February 16, 1962

SECTION A--GENERAL

The Board of Trustees at its meeting on December 12, 1961 received the Phase II report of Caudill, Rowlett and Scott recommending a master plan for the future development of the campus. In addition to making the report a matter of record, the Board's action on December 12, 1961 stipulated that the President be instructed to arrange promptly for study and analysis of this report by members of his staff and others, at his discretion, and that at the February meeting he make his recommendations to the Board of Trustees with respect to appropriate action adopting or modifying the master plan as presented in the report.

In keeping with the spirit of the Board's action, the report has been explained by the Executive Director of Campus Planning and others to more than a dozen groups of public officials, neighborhood residents, faculty members, students, and alumni. All faculty members received a 19 page digest of the report and copies of the complete report were made available to them on a loan basis. Copies of the complete report were placed in the reading rooms at the Faculty Club, the Ohio Union, and all campus libraries. The Executive Director of Campus Planning has reviewed the report with each college dean, with the Campus Planning Advisory Board, and with the President's Cabinet. The questions, criticisms, and counterproposals of these various groups and individuals have been carefully considered, and the results thereof are reflected in the recommendations that follow.

The analysis of the report by the administration, the faculty, and others clearly indicates substantial agreement with the report as a guide for future campus development. While more than 35 specific changes in the plan have been proposed, all of them can be accommodated within the broad framework of the recommended total plan. They are the kinds of changes that will continue to be proposed from time to time as programs and personnel are changed and as the details of plan implementation are developed. It is my judgment, therefore, that the Board of Trustees should adopt the recommended master plan now, together with the modifications explained in Section B hereof, and at the same time establish guidelines for later modifications. Action on the remaining suggested changes can then be delayed without prejudice and the Office of Campus Planning can proceed in due course to analyze and report on the suggested changes still pending.

This report completes the work of Caudill, Rowlett and Scott, and provides the kind of master plan contemplated when the study was authorized four years ago. The University should now take whatever steps are necessary for a continuation of such planning services as are essential to the orderly development of the campus within the general framework of this plan. There will be need for more detailed feasibility studies of parts of the plan, studies of staging the major developments, and more detailed analysis of many component areas of the campus. It was contemplated when the master plan was authorized in 1958 that the Office of Campus Planning would conduct these continuing studies, possibly with outside assistance from time

Report of the President on the "Campus Planning Study--Phase II"

to time. In a sense, then, the Office of Campus Planning must now move into what might be called the third, or continuing, phase of the project.

One of the more urgent needs is for studies of certain areas of the campus prior to architectural work on the first building therein. The west side of Neil Avenue north of 17th Avenue is one example. Here it is proposed to construct parking structures to take advantage of the change in elevation of the ground, use the top of the parking structures as a pedestrian plaza, and later to have several tall buildings rise from the plaza. The parking facilities probably will be constructed in stages and will undoubtedly precede the high-rise buildings. Before the first construction in this area can be planned with any measure of confidence, it will be necessary to conduct a preliminary study of the whole area covering such things as elevations of the various parking levels and the plaza, points of ingress and egress for parking, the column spacing that will best satisfy the needs of both the parking facilities and the future buildings above them, the rerouting of utilities, and the like. Other areas requiring similar advance study would include the proposed dormitory area on both sides of the river, the area in which new buildings are proposed south of the Stadium, and the entire Health Center expansion area. Such resources as are needed for these studies should be included at appropriate times in the University's requests for capital plan money.

Questions have been raised in a few circles about the need for and desirability of planning a campus for so great an expansion. It is suggested by some people that the size of Ohio State University should be restricted and that the other state universities should be enlarged. Simple analysis of inescapable population statistics quickly reveals that no such easy solution to the problem of providing facilities for higher education in Ohio is available. It is estimated that by 1970, only 8 years from next September, the college enrollment in all Ohio colleges will be 146,000 higher than it was last fall. The best estimates available indicate that 130,000 or more of these additional students must be accommodated in public institutions, existing or new. Since there are now 110,000 enrolled in public colleges and universities in Ohio, the increase of 130,000 would represent a gain of 118 percent by the end of this decade. All existing public institutions in Ohio, including Ohio State University, will be taxed to their utmost by substantial enrollment increases beginning almost immediately. In face of such facts, The Ohio State University cannot discharge its responsibility to the people of Ohio without making prompt preparations for accommodating more students. This requires a master plan for physical expansion of the University, as well as new procedures for more effective use of existing facilities on a year-around basis.

It is heartening that cost has seldom been mentioned in the discussion of the planning report. This is appropriate since the plan is a long range one that will be implemented over a period of many years as funds become available and as additional space is required. No one can predict at this moment the changes in technology, in price levels, in teaching and research requirements, and in the many other factors that will affect the size and cost of buildings to be constructed a number of years hence.

The immediate needs for capital improvements are grave and sizeable, and the problem has been aggravated by the almost complete lack of legislative appropriation for this purpose during the current biennium. These needs will be reassessed and the costs estimated during the coming summer as a basis for a request for funds to the next General Assembly, and this reassessment will reflect the provisions of the master plan.

SECTION B--MODIFICATIONS IN THE MASTER PLAN

It was pointed out in Section A that a number of minor changes in the plan had been proposed. Analysis of the proposed changes has proceeded to the point that action on four of them is possible at this time. A brief description of each of these four modifications follows:

1. The area along the west side of High Street between Lane Avenue and Woodruff Avenue was designated for University-related agencies (page 35). More specifically this was to be the site for new facilities for Chemical Abstracts. For a number of reasons, including primarily the continuing uncertainty about the availability of this site at an early date, the American Chemical Society has tentatively decided to locate Chemical Abstracts on the south side of Dodridge Street west of the river. This change would do no violence to any of the major principles underlying the plan, and could easily be accommodated. However, the plan would have to be changed in the area west of the river to conform to the boundaries of whatever tract is purchased by the American Chemical Society for Chemical Abstracts. The site originally contemplated for Chemical Abstracts on High Street could be used for some other related agency or could be added to the adjacent student housing area. Until a final decision has been made by the American Chemical Society, the master plan should be considered open in the two locations affected.
2. The groupings of dormitory buildings in the area north of Woodruff Avenue contemplated the provision of adequate recreation space within the site. It is essential that such provision be made. It now develops, however, that in order to meet the financial requirements of the dormitory program the tall dormitories will have to be expanded into land which had originally been reserved for recreation. The plan should be changed to permit this expansion, and the proposed dormitories north of Woodruff and west of Neil should be eliminated in order to provide the needed recreation space. No loss in total dormitory capacity will result from this change, and the recreation space will be somewhat larger and better proportioned than that shown in the report.
3. The report proposes Lane Avenue as a main east-west traffic artery in the urban street system. This is in accordance with the preliminary thinking of the staff of the City Planning Commission. While the University recognizes that much of the traffic on this street would be campus bound, and that the street would have to be designed to accommodate this traffic, the thousands of vehicles not University-oriented should be diverted, if at all possible, to another route or routes. The plan should be left open at this point to permit further efforts to find a more satisfactory solution to this problem.
4. The recommended plan proposes an area along the east side of North Star Road for possible future use for faculty housing. Recent plans for the future expansion of the Antenna Laboratory Building will require a considerable widening of the Antenna Laboratory Range, which is an open area devoid of buildings extending northward to West Lane Avenue. There is also the probability that the "saucer field" (saucer-shaped antennae) will be increased considerably, or that other sophisticated

antenna arrays will be erected. With any such expansion, it would be detrimental to research to permit housing on the east side of North Star Road, because the mass of the buildings would interfere with the laboratory studies. For these reasons, the faculty housing area at this location should be deleted and the same area designated for joint use for Antenna Laboratory purposes and for agricultural teaching and research plots.

SECTION C--RECOMMENDATIONS

I now submit the following recommendations with respect to the master plan as submitted by Caudill, Rowlett and Scott, subject to the modifications indicated in Section B hereof:

1. That the Board approve and endorse in its principal features the proposed campus master plan and adopt it as a guide for future campus development with the stipulation that all future buildings, circulation facilities, major open spaces, and other major physical plant improvements shall be located in accordance with the plan, unless reasons for exception, which are acceptable to the President and the Board of Trustees, are presented in support of any proposed deviation.
2. That the pending suggestions for modification of the plan be carefully analyzed to determine what additional changes, if any, should be made at an early date; that other proposed changes arising from time to time be similarly considered; and that any proposed deviation from the plan as now adopted be consistent with the following basic principles and concepts:
 - a. The concept of a unified academic community, with the basic disciplines grouped around the Main Library at the heart of the central academic area, with the applied disciplines surrounding the basic disciplines, and with closely related disciplines (whether basic or applied) placed in reasonable proximity to one another.
 - b. The concept of a river campus, by which is meant the development of the river and its environs as an aesthetic asset which strengthens and enriches the concept of a unified campus.
 - c. The concept of a pedestrian campus, which is interpreted to mean the elimination of parked and moving vehicles (except for necessary emergency and service vehicles) from the central academic area, the avoidance of any further geographical dispersal of the academic facilities frequently used by students, and the placement of dormitories and other student housing in close proximity to the central academic area.
 - d. The concept of strict separation of urban and campus traffic with no urban traffic flowing through the central academic area on either side of the river.

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- e. The use of the campus loop roads and the conversion of some existing campus streets to pedestrian walkways as devices for creating a pedestrian campus.
 - f. The concept of parking zones with the elimination of most surface parking in the central academic area.
 - g. The concept of placing dormitories in close proximity to the central academic area and to outdoor recreation facilities.
 - h. The concept of locating service buildings, selected varsity athletic fields, continuing education, telecommunications, and other nonacademic facilities on the periphery of the campus in order to release space for teaching and research within the central academic area.
 - i. The concept of transferring to Don Scott Field those barns, pastures, agricultural lands, and other facilities that can effectively use the open spaces otherwise needed there, with the exception that limited facilities of similar nature should be kept near the central academic area of the main campus insofar as needed for frequent access by students.
 - j. The concept of developing within the central academic area more research facilities close to faculty offices and teaching facilities.
 - k. The concept of encouraging the development at appropriate places adjoining the campus of research-oriented industries and other university-related agencies.
 - l. The concepts of controlled density of land use; of permanent open spaces attractively designed and developed; of a pleasing variety of building types and sizes, textures of ground and building surfaces, and plantings; of emphasis upon excellence of architectural design; and of other devices for maintaining human scale and warmth regardless of size.
 - m. The concept of flexible design of buildings with joint occupancy of buildings by more than one department as needed in order to avoid distortion of the plan by major adjustments in building size or shape.
 - n. The concept of open-endedness with respect to the future enrollment of the University, insofar as this is possible without violence to other planning criteria.
3. That the Board of Trustees and the University administration move promptly and with vigor to bring about the implementation of the recommendations of the report with respect to separation of urban and campus traffic, including, as the most important prerequisite to the attainment of the total plan, the relocation of the Olentangy

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River Road, and including also the closing of Neil Avenue and other campus streets to non-University traffic and the construction of necessary by-pass routes to divert and facilitate the flow of urban traffic in the University district.

4. That the University cooperate with appropriate city, county and other public agencies in further study of the neighborhoods adjoining the campus, and at the proper times urge and support such zoning legislation or other action by the City Council or other public body or agency as required to strengthen, stabilize, and improve these neighborhoods, all in general conformity with the principles underlying the approved campus master plan.
5. That the President be authorized and instructed to proceed, through the Office of Campus Planning, to conduct such additional studies of feasibility, staging, and plan revision as are required for the effectuation of the plan, and that funds for such additional studies be included, as required, in capital plan monies requested of the General Assembly each biennium.

Novice G. Fawcett, President
THE OHIO STATE UNIVERSITY

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-EIGHTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 15, 1962

The Board of Trustees met at its regular monthly meeting on Thursday, March 15, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Smith L. Rairdon, Alan B. Loop and Jacob E. Davis.

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The minutes of the last meeting were approved.

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President Fawcett reported the untimely death of Jacob B. Taylor, Vice President Retired and Professor Emeritus, on March 14, 1962. He advised that an appropriate Resolution in Memoriam, recognizing Mr. Taylor's many years of outstanding service to this University, will be presented to the Board of Trustees at the next regular meeting.

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Establishment of a Department of Slavic Languages and Literatures Within the College of Arts and Sciences

The Faculty Council on February 13, 1962 approved the proposal of the Council on Instruction for the establishment of a Department of Slavic Languages and Literatures within the College of Arts and Sciences to be effective at the beginning of the Summer Quarter, 1962.

As of the current academic year, an undergraduate major in Slavic Languages and Literatures is available to students at Ohio State. The previous course structure has been revised considerably and a unified curriculum of courses in the Russian language and literature, the non-Russian Slavic literatures, and Polish has been established. Because the pattern of growth to the present time indicates that there will be even more growth in the future, and because the program in Slavic Languages and Literatures has developed to the point at which it can take its place in the University on an equal footing with the other language departments, it is logical that departmental status be given to this academic area.

It is recommended that the Department of Slavic Languages and Literatures be given status as a separate department in the College of Arts and Sciences.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the recommendation to establish a Department of Slavic Languages and Literatures was approved by unanimous roll call vote.

B. Recommendation for the Benjamin G. Lamme Meritorious Achievement Medal - Harry B. Warner

The Committee on Honorary Degrees and Awards of the College of Engineering, with the unanimous endorsement of the faculty of the College of Engineering, has nominated Harry B. Warner, President of the B. F. Goodrich Chemical Company, Cleveland, Ohio, for the Benjamin G. Lamme Meritorious Achievement Medal to be awarded at the June Commencement, 1962.

It is therefore recommended that this nomination be approved by the Board of Trustees.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

March 15, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Scholastic Requirements in Professional Division
of the College of Engineering

The Board of Trustees, on July 10, 1959, approved the establishment of the Professional Division of the College of Engineering and changes in Rules of the University Faculty to implement establishment and operation of the Division. First admissions to the Professional Division were approved for Autumn, 1961.

In addition to the changes in Rules of the University Faculty which were approved July 10, 1959, it is the responsibility of the faculty of the College of Engineering under the provisions of the Rule 47.03 to establish rules on academic standards controlling warning, probation, and dismissal of students in the Professional Division of the College of Engineering subject to the approval of the Board of Trustees.

In accordance with this responsibility, the faculty of the College of Engineering recommends the establishment of the following:

POINT-HOUR RATIO - The point-hour ratio of a student in the Professional Division shall be computed on the basis of all course work undertaken while enrolled in the Professional Division.

WARNING - Any student in the Professional Division who fails to achieve a point-hour ratio of 2.0 on the work of any quarter shall be warned by the Dean that his scholastic progress is unsatisfactory and his parents or guardian shall be notified.

PROBATION and DISMISSAL - If at the end of any quarter a student's cumulative point-hour ratio is below 2.0, he shall be placed on probation. The conditions for removal from probation shall require that he either attain a cumulative point-hour of 2.0 or better at the end of his next quarter, or that he satisfy other conditions prescribed by the Executive Committee.

If a student fails to satisfy the conditions of his probation, he shall be dismissed. Notice of the dismissal shall be sent by the Dean to the student and to the student's parents or guardian.

DISMISSAL BY SPECIAL ACTION - If at any time the preparation, progress, or success of a student in his assigned work is determined to be unsatisfactory, the Executive Committee of the College of Engineering shall be empowered to dismiss him from the University.

WAIVER OF DISMISSAL - A dismissal required by the above rule may be waived for educationally sound reasons through special action of the Executive Committee of the College of Engineering.

I. GENERAL RECOMMENDATIONS (continued)

C. Scholastic Requirements in Professional Division
of the College of Engineering (continued)

REINSTATEMENTS AFTER DISMISSAL - Any student who may be reinstated by the Executive Committee of his College following dismissal shall be subject to such special requirements as may be determined appropriate by the Executive Committee. If the performance records of any reinstated student do not meet the conditions specified at the time of reinstatement, then the Executive Committee shall consider all the facts in the student's case and determine whether dismissal by special action or a waiver for another quarter is indicated.

It is therefore recommended that the Board of Trustees approve the Scholastic Requirements in the Professional Division of the College of Engineering as set forth in the preceding statement.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the recommendation to approve the Scholastic Requirements in the Professional Division of the College of Engineering was unanimously approved by roll call vote.

D. Degrees and Certificates Conferred - Winter Quarter Convocation

It is recommended that degrees and certificates as approved by the Faculty Council be conferred at the Winter Quarter Convocation on March 16, 1962 to those students who have completed their requirements for graduation on that date. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix VIII, page 390.)

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

E. Dayton Area Academic Center - Authorization to Develop a Combined
Program of The Ohio State University and Miami University

The Ohio State University in cooperation with the Aeronautical Systems Division of the United States Air Force has maintained for the past sixteen years a Graduate Center at Wright-Patterson Air Force Base near Dayton, Ohio. This Center was established for the purpose of providing advanced scientific and technical training to civilian and military personnel. Since the Autumn Quarter of 1960, this program has been available to any qualified students in the Dayton area. Miami University has for many years provided course offerings for the Dayton community and in 1954 established an academic center in Dayton. A thorough study of the future plans of the University of Dayton reveal that this institution alone cannot provide sufficient enlargement of opportunity to meet the needs of an increasing college-age population in the Dayton area.

March 15, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Dayton Area Academic Center - Authorization to Develop a Combined Program of The Ohio State University and Miami University (continued)

The Area Progress Council of Dayton has now requested The Ohio State University and Miami University to consolidate their efforts on a site to be made available to these two institutions and a facility or facilities to be constructed from resources that are being raised locally in a \$6,000,000.00 fund-raising campaign. The University of Dayton is to receive \$3,000,000.00, and the two State universities are to receive \$3,000,000.00, which is to be used to construct and equip a facility or facilities for this joint effort.

The Ohio State University and Miami University already have experience in working cooperatively through a joint Ph.D. program authorized by the Board of Trustees on June 11, 1960. Personnel from both institutions have discussed the possible division of work in a new combined academic center and are convinced that, under a single administrative head appointed jointly by the two institutions and answering to the two presidents, the development of this new venture will have great promise for meeting the critical higher education needs in one of the large centers of population in this State.

It is therefore recommended that the Board of Trustees of The Ohio State University authorize the president to proceed in cooperation with the president of Miami University and the Area Progress Council of Dayton in the development of plans designed to provide for the Dayton area a combined academic center of the two State universities identified above. Further, it is recommended that a copy of this statement of intent be forwarded to the Area Progress Council of Dayton and to the president of Miami University with the understanding that as precise steps requiring action evolve out of the negotiations this Board will review and act upon them without delay.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the above recommendations.

F. Establishment of Branch Campus at Lakewood, Ohio

Under date of May 13, 1957, the Board of Trustees of The Ohio State University approved the policy of establishing branch campuses of The Ohio State University in the spirit of helping to find answers to Ohio's growing need for educational opportunities for its intellectually competent young people. Two campuses were established in the cities of Marion and Newark, effective with the opening of the Autumn Quarter, 1957. The Mansfield Campus opened Autumn Quarter, 1958 and the Lima Campus opened Autumn Quarter of 1960.

The City of Lakewood, which has been under study as a branch site, has agreed to meet all major conditions requested by this University; and also has agreed to (1) provide \$25,000.00 to bring the laboratories and library up to our standards, (2) underwrite any loss up to \$10,000.00 which may be incurred during the first year of operation, and (3) provide a minimum of thirty scholarships on a continuing basis.

I. GENERAL RECOMMENDATIONS (continued)

F. Establishment of Branch Campus at Lakewood, Ohio (continued)

On the basis of approval by the Council on Off-Campus Education and a supporting resolution adopted by the Inter-University Council of Ohio on February 27, 1962, it is now recommended that subject to satisfactory negotiations, a branch campus of The Ohio State University be established in the City of Lakewood, Ohio, effective with the opening of the Autumn Quarter, 1962 with a program of instruction consisting primarily of basic courses required for the first year of standard college work. In 1963 and succeeding years, the program of instruction will be expanded to include the basic courses required for the first two years of standard college work.

Upon motion of Mr. Davis, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote approved the establishment of a branch campus in the City of Lakewood, Ohio, subject to meeting the conditions set forth above.

G. Amendments to the Constitution of the Inter-University Council of Ohio

The Inter-University Council of Ohio at its meetings on January 5, 1962 and February 27, 1962 approved the following amendments to its Constitution in the manner described by Article IX, Section 1 through 3 thereof.

In accordance with Article IX, Section 3, these amendments are hereby referred to the Board of Trustees of Ohio State University for appropriate action. Acceptance by the Board of Trustees of each of the six participating institutions is necessary to the adoption of these proposals.

Amendment #1

That Article III, Section 1 of the Constitution of the Inter-University Council of Ohio be amended to read as follows:

"Section 1. Membership

The Council shall at any time consist of the President and one Trustee of each of the following: Bowling Green State University, Central State College, Kent State University, Miami University, Ohio State University, and Ohio University."

and further, that:

Article IV, Section 1 of the Constitution of the Inter-University Council of Ohio be amended to read as follows:

"Section 1. Officers

Officers of the Council shall be: Chairman, Vice-Chairman, and Executive Secretary. Following the order established in Article III, Section 1, the office of Chairman shall be rotated yearly among the presidents of the six institutions, provided that no one shall be eligible who has not served a minimum of two years as president of his institution. The institutional president next succeeding to Chairmanship of the Council shall serve as Vice-Chairman. The Executive Secretary shall be employed by the Council and shall serve at its pleasure."

March 15, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

G. Amendments to the Constitution of the Inter-University Council of Ohio (continued)

Amendment #2

That Article II, Section 2 of the Constitution of the Inter-University Council of Ohio be amended to read as follows:

"Section 2. Means

Through the Council the State-assisted institutions of higher education in Ohio shall cooperate closely, placing common goals above conflicting institutional preferences yet preserving maximum recognition of the independence and existing diversity in the individuality and traditions of each institution."

Amendment #3

That Article VII of the Constitution of the Inter-University Council of Ohio be amended to read as follows:

"Financing

That financing of the Secretariat provided in Article IV, of the biennial evaluations required by Article VI, of appropriate exercises of jurisdiction under Article V, and any other expenditures receiving Council approval shall be by yearly assessments laid upon the six institutions in proportion to their respective State tax appropriations for operating expense."

It is therefore recommended that the Board of Trustees approve the above amendments to the Constitution of the Inter-University Council of Ohio.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the amendments to the Constitution of the Inter-University Council of Ohio as approved by the said Council on February 27, 1962 were unanimously approved by roll call vote, and the Secretary was instructed to file said amendments with the Constitution and Bylaws of the Council as approved by this Board on September 8, 1961.

H. College of Engineering - Change of the Petroleum Engineering Curriculum and Degree Program to a Program of Courses in Petroleum Engineering Within the Chemical Engineering Curriculum

During the past several years the enrollment in the Petroleum Engineering curriculum has dropped to a very low level and a careful study of the situation has been made by the Dean of the College of Engineering, the Executive Committee of the College, and the Chairman of the Department of Chemical Engineering. Representatives of the petroleum industry and other educators in Petroleum Engineering have also been consulted on all aspects of the problem.

I. GENERAL RECOMMENDATIONS (continued)

H. College of Engineering - Change of the Petroleum Engineering Curriculum and Degree Program to a Program of Courses in Petroleum Engineering Within the Chemical Engineering Curriculum (continued)

On the basis of this study, it has been concluded that the demand for Petroleum Engineering graduates in Ohio is not sufficient to justify the heavy investment by the University that would be required to maintain an accredited curriculum leading to a degree in Petroleum Engineering, and that as an alternative, elective and graduate courses in Petroleum Engineering should be maintained to provide opportunities for students in Chemical Engineering and in other departments to supplement their education with courses unique to the technology of petroleum related industry.

Therefore, upon the approval of the Faculty of the College of Engineering, the Council on Instruction, and the Faculty Council, it is recommended that effective Autumn Quarter 1962: (1) the curriculum leading to the degree Bachelor of Petroleum Engineering be abolished, (2) the combined curriculum leading to the combined degrees, Bachelor of Petroleum Engineering and Master of Science, be abolished, and (3) the degree Bachelor of Petroleum Engineering be abolished. This recommendation is presented with the understanding that a program of courses in Petroleum Engineering will be maintained within the Chemical Engineering curriculum.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the February 16, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotion, Leaves of Absence With Salary and Leaves of Absence Without Salary:

A. Promotion

Theodore J. Jenson from Professor, Department of Education, to Professor and Chairman, Department of Education, at a salary of \$19,368.00 per annum, effective July 1, 1962.

B. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Orena M. Haynes, Assistant Professor (Extension Specialist, Clothing), April 1 through June 15, 1962, to study at The Ohio State University.

March 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Leaves of Absence With Salary (continued)

Ellwood S. Parrott, Instructor (County Extension Agent, Agriculture) Marion County, April 1 through June 15, 1962, to study at The Ohio State University.

Kenneth S. Rinehart, Instructor (County Extension Agent, Agriculture) Champaign County, April 1 through June 15, 1962, to study at The Ohio State University.

C. Leaves of Absence Without Salary

Tibor Rado, University Research Professor, Graduate School, April 1, 1962 through June 30, 1962, to serve as Visiting Professor at Wesleyan University, Middletown, Connecticut.

Carl E. Harsh, Extension Instructor (Associate County Extension Agent) Hardin County, effective March 1, 1962. (Military Leave)

Upon motion of Mr. Loop, seconded by Mr. Davis, the Promotion, Leaves of Absence With Salary, Leaves of Absence Without Salary and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Federal Aviation Agency, Bureau of Research and Development, Washington 25, D. C., for Engineering Services for Glide Path Antenna System Research (to be known as Federal Aviation Agency Project No. 891 - Amend. #7 - Department of Electrical Engineering).
Gross Value - \$4,000.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Constancy of Mandibular Rest Position (to be known as National Institutes of Health Project No. 907 - Ext. #3 - College of Dentistry).
Gross Value - \$9,143.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- c. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Ion Sheath Research (Contract document unclassified; however, certain items and reports may be classified as high as Secret) (to be known as Aeronautical Systems Division Project No. 1021 - Sup. #6 - Department of Electrical Engineering).
Gross Value - \$191,000.00.
- d. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Services in Support of Research on the Chemistry of Fuels and Propulsion (to be known as Aeronautical Systems Division Project No. 1077 - Sup. #4 - RF Internal Supervision).
Gross Value - \$100,000.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Specificity and Role of Leukocyte Antibodies (to be known as National Institutes of Health Project No. 1091 - Ext. #2 - Department of Medicine).
Gross Value - \$15,410.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Midwest Cooperative Chemotherapy Group (to be known as National Institutes of Health Project No. 1094 - Ext. #2 - Department of Medicine).
Gross Value - \$13,949.00.
- g. Department of State, Agency for International Development, Washington 25, D. C., for Research, Develop and Evaluate Courses in Fundamentals of Supply Management for Foreign Participants and AID Supply Advisors (to be known as Agency for International Development Project No. 1198 - Amend. #2 - Defense Management Center).
Gross Value - \$1,866.00.
- h. Department of State, Agency for International Development, Washington 25, D. C., for Refresher Training Courses in Supply Management for AID Advisors (to be known as Agency for International Development Project No. 1236 - Amend. #1 - Defense Management Center).
Gross Value - \$5,845.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies with Influenza Vaccination (to be known as National Institutes of Health Project No. 1257 - Ext. #1 - Department of Medicine).
Gross Value - \$23,575.00.

March 15, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Control of Pituitary ACTH Secretion (to be known as National Institutes of Health Project No. 1272 - Ext. #1 - Department of Physiological Chemistry and Pharmacology).
Gross Value - \$11,500.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Mechanical and Physical Factors in Abdominal Trauma (to be known as National Institutes of Health Project No. 1275 - Ext. #1 - Department of Surgery).
Gross Value - \$9,200.00.
- l. Institute of Technology, Air University, USAF, Wright-Patterson Air Force Base, Ohio, for Research to Revise, Update and Present a Course in Executive Engineering for the Civil Engineering Center, Institute of Technology, WPAFB, Ohio (to be known as Institute of Technology, WPAFB, Ohio Project No. 1343-A - Sup. #3 - Defense Management Center).
Gross Value - \$14,000.00.
- m. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research Associated with Hypersonic Aerothermodynamic Simulation (Contract document unclassified; however, certain items and/or reports may be classified as high as Secret) (to be known as Aeronautical Systems Division Project No. 1413 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$97,875.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a General Research Support Grant Program (to be known as National Institutes of Health Project No. 1415 - New - College of Dentistry).
Gross Value - \$41,447.00.
- o. National Science Foundation, Washington 25, D. C., for an Investigation of Petrography of the Mt. Gran Area, Antarctica (to be known as National Science Foundation Project No. 1417 - New - Institute of Polar Studies).
Gross Value - \$3,250.00.
- p. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for a Critical Survey of Mechanical Property Test Method (to be known as Aeronautical Systems Division Project No. 1420 - New - Engineering Experiment Station).
Gross Value - \$19,500.00.

March 15, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- q. National Science Foundation, Washington 25, D. C., for an Investigation of Application of the Statistical Matrix to the Theory of Radio Antennas (to be known as National Science Foundation Project No. 1422 - New - Department of Electrical Engineering). Gross Value - \$11,100.00.

TOTAL - Government Contracts - Federal \$572,660.00

2. Industrial and Other Contract

- a. Shuler & Benninghofen, Hamilton, Ohio, for an Investigation of Reactions and Treatments of Wool to Improve Its Properties (to be known as Shuler & Benninghofen Project No. 632 - Ext. #8 - Department of Chemistry). Gross Value - \$19,032.00.

The foregoing eighteen contracts for research in cooperation with Government, Industry and Other represent a gross income of \$591,692.00.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from February 1, 1962 through February 28, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

- EES 202 Study of Electronic Devices as Traffic Aids, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Department of Commerce, Washington, D. C.
Gross Value - \$120,000.00.

2. Industrial Research Contracts

- EES 209 Development of End-Result Specifications for Highway Construction, Ohio Contractors Association, 40 West Gay Street, Columbus, Ohio.
Gross Value - \$3,000.00.

March 15, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts
from the Engineering Experiment Station

2. Industrial Research Contracts (continued)

EES 210 A Study of the Effects of Hypoxia on Instrument Flying
Proficiency, Scott Aviation Corporation, Lancaster,
New York.
Gross Value - \$12,096.00.

TOTAL - Industrial Research Contracts \$15,096.00

The foregoing three contracts for research in the Engineering Experiment Station represent a gross income of \$135,096.00.

C. Agreement Between The Ohio State University and Educational Services
Incorporated for Technical Assistance to the Government of India
Through the Agency for International Development

The Ohio State University has joined with a group of universities consisting of the University of California, California Institute of Technology, Purdue University, University of Michigan, Case Institute of Technology, Carnegie Institute of Technology, Princeton University, and Massachusetts Institute of Technology to assist in providing technical advice and assistance to the Government of India as a part of the foreign assistance program administered by the Agency for International Development.

The above universities have agreed that Educational Services Incorporated of Watertown, Massachusetts, should serve as the prime contractor for the group of universities; therefore, Educational Services Incorporated has entered into a contract (AIDc-2285) with the Government of the United States on February 21, 1962 to provide the technical advice and assistance to be rendered under said contract.

It is therefore recommended that the President be authorized to sign an agreement on behalf of the University with Educational Services Incorporated in which the University agrees to use its best efforts to assist in performing the required services by providing such technical and educational resources as may be agreed upon with the understanding that all costs for this program are to be covered by funds from the Agency for International Development through Educational Services Incorporated.

Upon motion of Mr. Bairdon, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote authorized the President to sign the contract between The Ohio State University and Educational Services Incorporated.

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March 15, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed.

A. Administered Through the Office of Business and Finance

1. \$107,465.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Study of the Carcinogenesis of the Female Reproductive Organs," under the direction of the Chairman of the Department of Pathology, Emmerich von Haam, for the period July 1, 1962 through June 30, 1967. (Grant GM-K3-15,104-C5)
2. \$13,200.00 granted by the National Science Foundation to the University for support of a "Summer Conference on Advances in the Chemistry of Coordination Compounds for College Teachers," under the direction of Daryle H. Busch, Department of Chemistry. This grant terminates on or about September 30, 1962. (Grant NSF-22212)

TOTAL - Through Office of Business and Finance \$120,665.00

B. Received Through the Development Fund

1. \$15,293.03 from the American Medical Association Research Foundation to the College of Medicine as an unrestricted gift for medical education and research.
2. \$4,590.00 from the National Fund for Medical Education to the College of Medicine as a gift for basic medical research.
3. \$3,125.00 from The Alcoa Foundation for five (5) \$625 scholarships. Four of these scholarships are to be awarded to students in the field of engineering and one in accounting for 1962-1963.
4. \$2,500.00 from Hercules Powder Company to the University for grant-in-aid for education and research activities in the Department of Chemical Engineering.
5. \$2,500.00 from Sinclair Research, Inc. to the University for renewal of the Sinclair Fellowship in Organic Chemistry for the year 1962-1963.
6. \$2,000.00 for The Strong Fund, consisting of a check for \$1,100.00 and two debentures as follows:

Certificate No. D1014 for \$500.00 5% secured debenture of The W. W. Williams Company, valued at \$450.00.

Certificate No. D1022 for \$500.00 5% secured debenture of The W. W. Williams Company, valued at \$450.00.

March 15, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. \$2,000.00 for The Strong Fund (continued)

The Strong Fund

The Strong Fund was established February 14, 1962, by a gift through the Development Fund from Gertrude and Frank R. Strong, to be invested by the Treasurer of The Ohio State University under rules and regulations adopted by the Board of Trustees of the University with right to invest and reinvest as occasion dictates.

The income is to be used in support of the scholarship-loan program of the College of Law so long as need therefor continues, and thereafter for other objectives of the College of Law as determined by the Faculty on recommendation of the Dean of that College.

In the event that the College of Law as it now exists shall be altered in any reorganization of University colleges, schools and departments, the Board of Trustees or successor governing body of the University shall direct use of the income for purposes within the field of Law as recommended by the appropriate administrative official of the University then directly responsible for legal education at The Ohio State University.

TOTAL - Through the Development Fund \$30,008.03

Upon motion of Mr. Loop, seconded by Mr. Davis, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In January, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	455	\$ 21,993.84
Individuals, Other Than Alumni	21	1,373.50
Non-Profit Organizations	39	60,412.47
Business Concerns	18	60,422.50
	<u>533</u>	<u>\$144,202.31</u>

Of these gifts, 389 for \$4,199.70 were undesignated and 144 for \$140,002.61 were designated for special projects.

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March 15, 1962 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Annual Recognition Dinner - May 9, 1962

Upon the request of the Executive Director, University Relations, and with the concurrence of the Committee on Recognitions, it is recommended that the annual Recognition Dinner for faculty and staff, sponsored by the Board of Trustees, be held on Wednesday, May 9, 1962, at 6:15 p.m. in the Ohio Union, and that a sum not to exceed \$3,125.00 be appropriated from Endowment 4002 for expenses.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the appropriation of \$3,125.00 for the annual Recognition Dinner was unanimously approved by roll call vote.

B. Remodeling of Area 200/300 at Research Center

Aviation Psychology, in order to have sufficient room available for a research project, moved to an area in the Research Center formerly occupied by the Department of Geodetic Science. This move forces the Department of Geodetic Science to move into part of the area formerly occupied by Aviation Psychology and some remodeling is necessary to make the area suitable for their operation.

It is therefore recommended that an amount not to exceed \$11,200.00 be appropriated from the University Treasurer Research Account, Subaccount (b) - 19609.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

C. Remodeling Projects

At the request of the Vice President, Business and Finance, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$30,000.00 be appropriated from Subaccount (f) of the University Treasurer Research Account No. 19999 for small remodeling projects which are approved by the President and for which no state-appropriated funds are available.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

A. Dormitory "F" for Women

General Contract

It is recommended that the following changes be made:

1. Provide double chain link type gates at the drive-thru and the walk-thru passages to the court, complete with all hardware and heavy duty padlocks, master keyed to the building master key. Add \$580.00.
2. Reduce the height of the marble in the partitions between the showers and between the dressing spaces by raising the bottom 6" higher above the floor. Deduct \$183.00.
3. Move double doors No. VV-12 at entrance vestibule 6" north and make necessary changes in masonry, woodwork and hand rails. Add \$85.00.
4. Omit wire mesh partition in Transformer Room No. 21A. Deduct \$152.00.

Net addition \$ 330.00

Electrical Contract

It is recommended that the following changes be made:

1. Provide one porcelain light fixture on wall in elevator pit, switches at each of three access doors, one duplex receptacle, and necessary conduit and wiring. Add \$106.00.
2. Provide one 30 amp., 3 pole, 2 wire, 250 volt twistlock receptacle for coin operated hair dryers in each of 14 shower rooms, with necessary conduit and wiring back to panel boxes. Add \$1,184.00.

Total addition \$1,290.00

Funds will be provided from Dormitory Construction Funds for these extra orders.

March 15, 1962 meeting, Board of Trustees

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

B. Men's Housing No. 1 and 2

Electrical Contract

It is recommended that eleven mercury vapor lamps with ballasts be installed in lieu of standard incandescent lamps in the eleven outdoor fixtures for yard lighting.

Add \$810.00

Funds will be provided from Dormitory Construction Funds for this extra order.

C. Repairs in Mendenhall Laboratory, Rooms 101 and 104

General Contract

It is recommended that the cylinders on locks for all eight new doors be changed to our new standard lock system.

Add \$ 44.00

Funds will be provided from Account 19910, H.B. 390, for this extra order.

D. Motor Truck Platform Scales for Power Plant

It is recommended that an extension of time for completion of contract be approved from March 29, 1962 to May 31, 1962, because the inclement weather has prevented virtually all progress on the work.

E. Married Housing Project #2

On November 15, 1961, an extra order was approved for flood control and drainage work on this contract. Because of inclement weather conditions, much of this work has not been done and cannot be done until spring. In addition to underground work and grading, a large amount of seeding and sodding must be done. It is therefore recommended that an extension of time for completion of contract be granted the Outside Services Contractor from January 11, 1962 to May 15, 1962.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendations individually and collectively were approved by unanimous roll call vote.

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March 15, 1962 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Student Housing, Buildings No. 4, 5 and 6

Funds for this project will be provided from Dormitory Construction Funds.

B. Installation of Three New Boilers at Research Center

Funds for this project will be provided from Rotary 18504 Light, Heat and Power, H.B. 390.

C. Remodeling Area 800, Kinnear Road Research Center

Funds for this project will be provided by a transfer from University Research Account, Subaccount (f) to Account 718 Research Center Offices, Area 800, H.B. 390.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendations were unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 154 Approves the transfer and release of \$825.00 from Account 200 Maintenance, to Account 764 Remodel Robinson Laboratory, H.B. 390, to provide funds for extra work on this project.
- 155 Approves the transfer and expenditure of \$582.00 from Account 200 Maintenance to Account 750 Botany and Zoology Building, H.B. 390, to provide funds for extra work on this project.
- 156 Approves the transfer and expenditure of \$136.00 from Account 200 Maintenance, to Account 763 Administration Building Remodeling, H.B. 390, to provide funds for extra work on the General Contract for this project.
- 157 Approves the transfer and expenditure of \$144.00 from Account 200 Maintenance to Account 757 Addition to Fine Arts Building, H.B. 390, to provide funds for additional work on the electrical contract for this project.

March 15, 1962 meeting, Board of Trustees

VIII. CONTROLLING BOARD APPROVALS (continued)

- 158 Approves the transfer of \$3,863.00 from Account 200 Maintenance, H.B. 390, to Account 754 Veterinary Clinical Unit Building, H.B. 390.
- 159 Approves the expenditure of \$3,863.00 from Account 754, H.B. 390, without competitive bidding to provide funds for extra work on the project Veterinary Clinical Unit Building.
- 160 Approves the transfer and expenditure of \$260.00 from Rotary 601 to Account 702 Improvements in Classrooms and Laboratories in Hamilton Hall, H.B. 390, to provide funds for additions to the electrical contract for this project.
- 161 Approves the transfer of \$28,700.00 from Budget Account 86281 Bookstore to Account 707 Derby Hall--University Bookstore, H.B. 390.
- 162 Approves the expenditure of \$28,700.00 from Account 707 Derby Hall - University Bookstore, H.B. 390, to provide funds for the contracts for this project.
- 163 Approves the transfer of \$1,393.00 from Rotary 601 to Account 705, Ice Rink, H.B. 390.
- 164 Approves the expenditure of \$1,393.00 from Account 705 Ice Rink, H.B. 390, to provide funds for additional work on the general contract for this project.
- 166 Approves the transfer and expenditure of \$3,015.37 from Rotary 601 to Account 721 Repair of Room 324 and Replacement of Laboratory Equipment, McPherson Laboratory, H.B. 390, to provide funds for extra work on this project.
- 167 Approves the transfer and expenditure of \$596.38 from Rotary 601 to Account 711 Aviation Psychology Laboratory Remodeling, H.B. 390, to provide funds for additional work on this project.

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IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE

A. City of Columbus, Kinnear Road Sanitary Sewer Easement

At the Board meeting held on December 12, 1961, a resolution was passed authorizing the Secretary of the Board of Trustees to execute such documents as were necessary to grant an easement to the City of Columbus for the Kinnear Road Sanitary Sewer.

Since that time, the property now owned by The Ohio State University Research Foundation at the corner of Kinnear Road and Kenny Road and described as follows is being transferred to the Board of Trustees of the University by the Foundation:

IX. MISCELLANEOUS - FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. City of Columbus, Kinnear Road Sanitary Sewer Easement (continued)

Being a rectangular parcel of land (measuring from the center of Kenny Road), being 225.85 feet east and west by approximately 508 feet (measuring from the center of Kinnear Road) north and south off of the west side of the following described premises:

Being part of Lots Nos. 1 and 2 of a subdivision of lands belonging to Jeremiah O. Lisle, made by order of the Court of Common Pleas of Franklin County, Ohio, in an action pending in said Court, numbered No. 33550, wherein the Citizens Savings Bank was plaintiff and Jeremiah O. Lisle et al were defendants, of record in Plat Book 5, page 751, Recorder's Office, Franklin County, Ohio, and more particularly described as follows:

Beginning at a point where the center line of the Kenny Road intersects the center line of Kinnear Road; thence along the center line of Kinnear Road, 426.70 feet to a point; thence northerly $3^{\circ} 45'$ east 509.24 feet to the south line of the spur tract of the Chesapeake and Ohio Railway Company; thence westerly along the southerly line of said right of way to the center of said Kenny Road; thence southerly with the center of said Kenny Road, 508 feet to the place of beginning, subject to all legal highways.

The easement requested is for a continuation of the same sewer line for which the Board granted approval and authority for the Director of Public Works to negotiate an easement on other University owned property on December 12, 1961.

To complete the record, it is requested that the previous action of the Board of Trustees be amended to include this property in the wording of the previous resolution, thus authorizing the Secretary of the Board of Trustees to proceed in accordance with previous instructions to handle the easement through this parcel of land when the title is properly vested with the Board of Trustees of the University.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above resolution was unanimously approved by roll call vote.

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X. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Gladys E. Palmer, Professor Emeritus of Physical Education, and, in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to a close friend of the deceased.

March 15, 1962 meeting, Board of Trustees

X. RESOLUTION IN MEMORIAM (continued)

A. Gladys E. Palmer

The Board of Trustees expresses its sorrow at the death on February 19, 1962 of Gladys E. Palmer, Professor Emeritus of Physical Education.

Gladys E. Palmer was born in Chicago, Illinois on May 26, 1895. She received the Bachelor of Arts degree from the University of Chicago in 1918 and the Master of Arts degree from The Ohio State University in 1935. From 1918 to 1922 she served as an instructor in physical education at the University of California at Los Angeles.

Miss Palmer came to The Ohio State University in 1922 as an instructor in the Women's Division of the Department of Physical Education. She served as chairman of her division from 1933 to 1951, attaining the rank of professor in 1936. Upon retirement from the University in 1957, she was granted the title professor emeritus.

Gladys Palmer served the Columbus and Franklin County community as a member of the Girl Scout Council; as a member of the Board of Directors, Columbus Counseling Bureau; as President of the Columbus Altrusa Club; and as Vice-Governor, Fourth District, Altrusa International. She served on numerous College of Education committees at The Ohio State University. She was chairman of the advisory committee on girls athletics of the Ohio High School Athletic Association, a group influential in improving the program of athletics for Ohio high school girls. Miss Palmer was the recipient of an Honor Award from the Ohio Association for Health, Physical Education and Recreation.

In 1938 Miss Palmer initiated the National Women's Collegiate Golf Tournament, which was held at The Ohio State University for the first few years. This was a significant and exemplary type of competitive sport event for women and still serves as the model for planning similar tournaments.

Miss Palmer's talents, her thorough and meticulous work, her leadership and professional insight, and her keen intellectual ability earned the admiration of colleagues and students throughout her thirty-five years of teaching and administration at The Ohio State University.

On behalf of the entire University, the Board of Trustees expresses its deep sympathy. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XI. REPORTS

A. Report on Investment Portfolio

The report on the University's Investment Portfolio dated February 28, 1962 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

March 15, 1962 meeting, Board of Trustees

XI. REPORTS (continued)

B. Report of the Committee on Retirement and Insurance

Mr. Rairdon, Chairman of the Committee on Retirement and Insurance, presented the following recommendation:

The Committee on Retirement and Insurance has again reviewed the several university insurance programs and makes the following recommendation:

That the actions of this Board of July 11, 1955 and September 6, 1955 related to group insurance and compensation for members of the Board of Trustees be rescinded.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. The 25th Annual Report of The Ohio State University Research Foundation

The 25th Annual Report of The Ohio State University Research Foundation was distributed and at President Fawcett's suggestion, Dr. Frederic W. Heimberger, President of The Ohio State University Research Foundation, reviewed the contents of the Report. The Secretary was instructed to file a copy of the Report with the official records of the Board of Trustees.

D. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, April 6, 1962, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX VIII
THE OHIO STATE UNIVERSITY COMMENCEMENT
March 15, 1962

GRADUATE SCHOOL

Dean: EVERETT WALTERS

Doctor of Philosophy

- Peter Wales Bhelwa, B.Sc., M.Sc. (University of Nagpur)
Nagpur, Bombay, India
Dissertation: Seed Decay, Seedling Blight, and Root Rot of Cicer arietinum Caused by Phytophthora cryptogea
Field of Specialization: Botany and Plant Pathology
- Greig Spencer Butterworth, B.E.E., M.E.E. (Pratt Institute)
Reynoldsburg
Dissertation: Business System Analysis: Market Selection
Field of Specialization: Industrial Engineering
- Alice Yun Chai, B.A. (Ohio Wesleyan University); M.A. Seoul, Korea
Dissertation: Kinship and Mate Selection in Korea
Field of Specialization: Sociology and Anthropology
- John Anthony Donahue, B.A. (Catholic University of America); M.Sc.
Waterbury, Conn.
Dissertation: The Virulence Factors of Staphylococcus aureus
Field of Specialization: Microbiology
- Alan Case Filley, B.S. (Millikin University); M.Bus.Adm.
(Indiana University) Decatur, Ill.
Dissertation: A Theory of Small Business and Divisional Growth
Field of Specialization: Business Organization
- James William Flowers, Jr., Met. Eng. (University of Cincinnati); M.Sc.
Ashland, Ky.
Dissertation: A Study of the Structural Changes Associated with the Hardening of CD-4MCu, a Cast, Corrosion-resistant Stainless Steel
Field of Specialization: Metallurgical Engineering
- Bruce Daniel Giles, S.B. in Ch.E. (Massachusetts Institute of Technology); M.Sc. Tonawanda, N. Y.
Dissertation: Slat Tray Scrubber Performance
Field of Specialization: Chemical Engineering
- Giles Edward Gobetz, M.A. (Washington University) Columbus
Dissertation: Adjustment and Assimilation of Slovenian Refugees
Field of Specialization: Sociology
- James Quentin Graham, Jr., B.S., A.M. (Columbia University)
Bowling Green
Dissertation: The French Radical and Radical-Socialist Party, 1906-1914
Field of Specialization: History
- Arthur Eugene Havens, B.S. (Iowa State University of Science and Technology); M.Sc. Brooks, Ia.
Dissertation: Social Psychological Factors Associated with the Differential Adoption of New Technologies by Milk Producers
Field of Specialization: Agricultural Economics and Rural Sociology
- William Leroy Henderson, B.Sc. in Bus.Adm., M.A. Granville
Dissertation: Theories of the Apportionment of the Burden of Taxation
Field of Specialization: Economics

- Lawrence Arthur Jacowitz, S.B. in Ch.E. (Massachusetts Institute of Technology); M.Sc.....Columbus
Dissertation: An Analysis of Geometry and Pressure Drop for the Annular Flow of Gas-Liquid Systems
Field of Specialization: Chemical Engineering
- Bruce Brightman Klee, A.B. (Heidelberg College); A.M. (Miami University).....Geneseo, N. Y.
Dissertation: An Analysis of Production Schedules in Professional Theatres in New York City from 1750 to 1950
Field of Specialization: Speech
- Ellyn G. Lauber, B.Sc. in Edu., M.A.....Archbold
Dissertation: Special Education Administrative and Supervisory Personnel in Selected States
Field of Specialization: Education
- Kenneth Larry Lawley, B.S. (Pennsylvania State University) Harrisburg, Pa.
Dissertation: The Defect Structure of Near-stoichiometric Tetragonal Tungstic Oxide
Field of Specialization: Metallurgical Engineering
- John Kenneth Lerohl, B.S. (United States Military Academy); M.Sc. Bovey, Minn.
Dissertation: Radioactive Decay of Iridium¹⁸⁹
Field of Specialization: Physics
- Richard Allen Marshall, B.A. (Rice Institute).....Baytown, Tex.
Dissertation: Ring-to-Ring Interaction in 4,4'-Disubstituted- α,ω -Diphenylalkanes
Field of Specialization: Chemistry
- Wanda Elizabeth McDowell, B.Sc. in Edu., M.A.....Columbus Grove
Dissertation: The Nurse-Patient-Physician Triad as a Self-regulating Mechanism: A Homeostatic Model for Measuring Patient Care
Field of Specialization: Education
- Bruce John Miller, B.M.E., M.Sc.....Cincinnati
Dissertation: A Theoretical and Analog Study of a Steep Descent Co-efficient Computer for Process Analysis and Adaptive Control
Field of Specialization: Mechanical Engineering
- Stanley Marvin Moss, B.Sc., M.A.....Cleveland
Dissertation: Tracking with a Differential Brightness Display
Field of Specialization: Psychology
- David Owen Murray, A.B. (Miami University).....Wellington
Dissertation: A Neutron Diffraction Study of Nickelous Oxide
Field of Specialization: Physics
- Fred Alfred Olsen, B.A. (University of Washington); M.S. (Stout State College, Wisconsin).....Seattle, Wash.
Dissertation: Industrial Arts in the Public Secondary Schools of the State of Washington
Field of Specialization: Education
- Lalit Mohan Pande, B.Sc., M.Sc. (Lucknow University) Kanpur, U. P., India
Dissertation: Synthesis, Reactions, and Properties of Nitrated Polyhydroxy Compounds
Field of Specialization: Chemistry

- Joseph Thomas Parisi, B.S. (Loyola University); M.Sc.....Chicago, Ill.
Dissertation: The Effect of Some Physical and Chemical Factors on the Selection of Variants of Staphylococcus aureus
Field of Specialization: Microbiology
- Johnnie Nell Ray, B.S. (Harding College, Arkansas); M.A. in Ed. (University of Kentucky).....Columbus
Dissertation: Energy Expenditures of Women Performing Household Floor Care Activities
Field of Specialization: Home Economics
- David Ryeburn, A.B. (Kenyon College).....Columbus
Dissertation: Additivity of Topological Properties
Field of Specialization: Mathematics
- Herbert George Schaefer, A.B., B.D. (Capital University); M.A. (Hartford Theological Seminary).....Columbus
Dissertation: Basic National Education in India from 1937 to 1957
Field of Specialization: Education
- Martin Frederick Schwartz, B.A. (Queens College); M.S. (University of Michigan).....Flushing, N. Y.
Dissertation: An Investigation of Thresholds of Identification for Vowels as a Function of Their Duration
Field of Specialization: Speech
- William Joseph Serraino, B.Sc. in Bus.Adm., M.B.A.....Oak Park, Mich.
Dissertation: Financial Information for Bank Term Credit
Field of Specialization: Accounting
- Ernest Theodore Sims, Jr., B.S.A. (University of Georgia); M.Sc. Conyers, Ga.
Dissertation: The Influence of Certain Compounds on Scald Inhibition and Metabolism of the Apple (Malus sylvestris, Mill)
Field of Specialization: Horticulture
- Donald Eugene Smith, B.S. in Ed. (Pennsylvania State Teachers College, Bloomsburg); M.Sc.....Dallas, Pa.
Dissertation: Myometrial Glucose Utilization during Pregnancy in the Rabbit
Field of Specialization: Zoology
- Charles Allison Stout, B.A., M.A. (Rice Institute).....Beaumont, Tex.
Dissertation: A Molecular Orbital Correlation of Reactivities of Substituted 9-Phenylfluorenyl Systems
Field of Specialization: Chemistry
- Yung Ho Sun, B.S. (National Central University, China); M.Sc. Seattle, Wash.
Dissertation: An Analytical Study of Laminar Free Convection about a Vertical Flat Plate in an Electrically Conducting Fluid with Presence of Uniform Transverse Magnetic and Electrical Fields
Field of Specialization: Mechanical Engineering
- Sandra Smith Thomas, B.Sc., M.Sc.....Columbus
Dissertation: Photooxidation of 2,2'-Azoisobutane
Field of Specialization: Chemistry
- Lynn Edgar Trank, B.F.A. (University of Nebraska); B.F.A. (Washington University); M.F.A. (State University of Iowa)...Charleston, Ill.
Dissertation: An Exhibition of Paintings Accompanied by a Commentary on Painting Instruction in Five Institutions of Higher Learning
Field of Specialization: Fine Arts

George William Welker, B.S. (Middle Tennessee State College); A.M.
 (George Peabody College for Teachers).....Muncie, Ind.
Dissertation: Helminth Parasites of the Common Grackle Quiscalus
quiscula versicolor Vieillot in Indiana
Field of Specialization: Zoology

Robert La Raut Wrenn, B.A. (Macalester College); M.A.
 Minneapolis, Minn.
Dissertation: The Effect of Preparatory Involvement on Goal Valua-
tion in Open and Closed Belief Systems
Field of Specialization: Psychology

(Thirty-seven candidates)

Master of Arts

Samuel Bernard Baker, B.A.....Columbus
Field of Specialization: Journalism

Catherine Elizabeth Bennett, B.Sc. in Edu.....Columbus
Field of Specialization: Physical Education

Paul Robert Brink, B.M. (Butler University).....Indianapolis, Ind.
Field of Specialization: Music

William Graham Byrne, B.A., B.S. in Ed. (Wittenberg University)
 Columbus
Field of Specialization: Education

Edwin Pearl Carpenter, Jr., A.B. (Kentucky Christian College); B.S. Ed.
 (Ohio University).....Whitehall
Field of Specialization: Education

Richard Lee Currie, B.A. (Kalamazoo College).....Rochester, N. Y.
Field of Specialization: Speech

Diane Marie Dahlfues, B.A.....Garden City, N. Y.
Field of Specialization: Sociology (Anthropology)

James Edward Dunham, B.A.....Columbus
Field of Specialization: English

Saul S. Friedman, B.A. (Kent State University).....North Olmsted
Field of Specialization: History

William Warren Gilbert, B.A. (De Paul University).....Chicago, Ill.
Field of Specialization: Psychology

Donald Lee Gregory, B.A. (Bucknell University).....Columbus
Field of Specialization: English

Malcolm Anstett Griffith, A.B. (Oberlin College); M.A.....Columbus
Field of Specialization: English

Mercedes Royce Hampton, B.S. in Ed. (Massachusetts State Teachers
 College, Framingham).....Plainfield
Field of Specialization: Education

James Dawson Harrison, D.D.S. (Saint Louis University); M.Sc.
 St. Louis, Mo.
Field of Specialization: Education

Geoffrey Croft Henry, B.Sc.....Dover Heights, New South Wales, Australia
Field of Specialization: Psychology

Maralynann Wonfor Henry, B.S. in Edu. (Bowling Green State
 University).....Columbus
Field of Specialization: Education

- James Carlton Howell, A.B. (University of Cincinnati).....Dayton
Field of Specialization: History
- Clifford Owen Jump, B.Sc. in Agr.....Mt. Vernon
Field of Specialization: Agricultural Education
- Thomas Otto Karst, B.Sc. in Edu.....Columbus
Field of Specialization: Psychology
- Barlyn Byrne Kerr, B.A.....Dayton
Field of Specialization: Speech
- David Todd Lemmon, A.B. (Wittenberg University).....Springfield
Field of Specialization: Geography
- Don Alan List, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Zulma Nelly Martinez.....Cordoba, Argentina
Field of Specialization: Romance Languages (Spanish)
- C. William McCullough, B.S. in Ed. (Otterbein College).....Columbus
Field of Specialization: Education
- Lillian McFarland Michael, B.Sc. in Edu.....Columbus
Field of Specialization: Psychology
- Naomi Joy Miller, A.B. (Ohio University).....West Orange, N. J.
Field of Specialization: Romance Languages (French)
- Thomas A. Miller, Jr., B.Sc.....Columbus
Field of Specialization: Sociology
- Deanne Molinari, B.S. (University of Rochester).....Attica, N. Y.
Field of Specialization: Psychology
- Harvey Benjamin Nightingale, A.B. (Brooklyn College)...Brooklyn, N. Y.
Field of Specialization: Psychology
- Barbara Thompson Ostermeier, B.A. (Bethany College).....Midland
Field of Specialization: Physical Education
- Eugenia Lee Plog, A.B. (University of Missouri).....Kansas City, Mo.
Field of Specialization: Psychology
- Harriet Marlene Simerall, B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Business Organization
- Thomas James Simpson, B.S. (New York State University College
of Education, Oswego).....Merrick, N. Y.
Field of Specialization: Education
- Katharyne Moon Smith, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Esther Scaife Weed, B.A. (Ohio Wesleyan University) ; B.Sc. in Edu.
Worthington
Field of Specialization: Education
- William Klatoff Weinstein, B.A. (Hobart College).....Stamford, Conn.
Field of Specialization: Psychology
- Barbara McNutt White, B.Sc. in Edu.....Columbus
Field of Specialization: Sociology (Anthropology)

- Willard Chandler White, B.A. Greenville
Field of Specialization: Speech
- John Wightman Willis, Jr., B.M.E. (Clemson Agricultural College) Lynchburg, S. C.
Field of Specialization: Business Organization
- Edna Eileen Young, B.S. in Educ. (Capital University) Glenmont
Field of Specialization: Education
- George Zorich, B.S.Ed. (Ohio University) Grove City
Field of Specialization: Education

(Forty-one candidates)

Master of Business Administration

- Donald Glenn Bates, B.C.E. Salem
Field of Specialization: Business Organization
- Robert James Connoles, B.S. in Bus.Ad. (Montana State University) Butte, Mont.
Field of Specialization: Business Organization
- John Everett Crawford, B.Sc. in Bus.Adm. Dayton
Field of Specialization: Business Organization
- Prakash Shantilal Dalal, B.A., B.Com. (Gujarat University) Ahmedabad, Bombay, India
Field of Specialization: Business Organization
- Royce Clement Haddad, B.A. (Northwestern University) Maumee
Field of Specialization: Business Organization
- Binay Krishna, B.A., B.L. (Patna University) Patna, Bihar, India
Field of Specialization: Business Organization
- John Edwin McDavid, Jr., B.Sc. in Agr. Columbus
Field of Specialization: Business Organization
- Charles William Miller, B.S. (Pennsylvania State University); M.S. (Columbia University) Trafford, Pa.
Field of Specialization: Business Organization
- Theodore Shelland Pollard, B.A. (Ohio Wesleyan University) ... Cincinnati
Field of Specialization: Business Organization
- John Edwin Price, B.Sc. in Bus.Adm. Columbus
Field of Specialization: Business Organization
- Dai Sup Ra, B.Sc. in Bus.Adm. Seoul, Korea
Field of Specialization: Business Organization
- Leslie Andrews Sanders, A.B. (Oberlin College) Columbus
Field of Specialization: Business Organization
- Myron Uretsky, B.B.A. (City College of New York) Brooklyn, N. Y.
Field of Specialization: Accounting
- Walter Henry Veazie, Jr., B.S. (Illinois Institute of Technology) . Columbus
Field of Specialization: Business Organization
- James Isaac Wheeler, B.S. (University of California, Berkeley) .. Kettering
Field of Specialization: Business Organization
- Roger Lee Whitacre, B.S. in Com. (State University of Iowa) Dallas Center, Ia.
Field of Specialization: Business Organization

(Sixteen candidates)

Master of Education

Harbans Singh Mann, B.A., M.A., M.A. (University of the Punjab)
Ludhiana, Punjab, India
Field of Specialization: Agricultural Education
(One candidate)

Master of Medical Science

Dudley Hathaway Page, A.B. (Dartmouth College); M.D. Columbus
Field of Specialization: Surgery
Loyd Raymond Schultz, M.D. (University of Nebraska) Norfolk, Nebr.
Field of Specialization: Surgery
Melvin Jerald Sturman, B.S., M.D. (University of Washington) . . Columbus
Field of Specialization: Surgery
Robert Milton Wells, M.D. (Tulane University) Columbus
Field of Specialization: Medicine
(Four candidates)

Master of Science

Mohamed Osman Abou El Seoud, B.S. (Cairo University) Cairo, Egypt
Field of Specialization: Botany and Plant Pathology
Paul Howard Aldenderfer, B.S. (Mount Union College) Columbus
Field of Specialization: Microbiology
George Boine Anderson, B.S. (New York State Maritime College)
Norfolk, Va.
Field of Specialization: Geodetic Science
William Nelson Anderson, B.Sc. Scottsdale, Ariz.
Field of Specialization: Physics
Lawrence Ball, B.S. (Antioch College) Columbus
Field of Specialization: Electrical Engineering
John Arnold Bartz, B.S. (M.E.) (University of Buffalo) Dayton
Field of Specialization: Mechanical Engineering
David Elton Bidstrup, B.S.E. (Ch.E.) (University of Michigan)
Greenville, Mich.
Field of Specialization: Chemical Engineering
Charles Blane Brinkley, Jr., B.S. (United States Military Academy)
Greensburg, Pa.
Field of Specialization: Civil Engineering
*James Cloyd Buchanan. Wapakoneta
Field of Specialization: Agricultural Engineering
Hi Dong Chai, B.S. in E.E. (University of Texas) Seoul, Korea
Field of Specialization: Electrical Engineering
James Francis Clements, B.Sc. Tiffin
Field of Specialization: Microbiology
Dennis Lee Coleman, B.S. (John Carroll University) Columbus
Field of Specialization: Microbiology
James Nicholas Cordea, B.S. in Met.E. (Case Institute of Technology)
Columbus
Field of Specialization: Metallurgical Engineering

* Two degrees

- Kennerly Hite Digges, B.S. (Virginia Polytechnic Institute) White Post, Va.
Field of Specialization: Mechanical Engineering
- Ahmet Tayfur Durupinar.....Bursa, Turkey
Field of Specialization: Geodetic Science
- John Mark Dykes, B.S. (United States Military Academy) .Pocatello, Idaho
Field of Specialization: Civil Engineering
- Roy Fred Emerson, B.Sc. in Agr.....Burton
Field of Specialization: Agricultural Education
- Walter Peter Engler, B.S.A.E. (Purdue University)Reynoldsburg
Field of Specialization: Electrical Engineering
- Martin Steven Farkas, B.Met.E.....Warren
Field of Specialization: Metallurgical Engineering
- Michael Franklin Farona, B.S. (Western Reserve University)Columbus
Field of Specialization: Chemistry
- Edward William Fisher, B.Sc.....Columbus
Field of Specialization: Physics
- Victor Gyoza Foris.....Columbus
Field of Specialization: Mechanical Engineering
- Kenneth William Foster, A.B. (Miami University)Miamisburg
Field of Specialization: Metallurgical Engineering
- Harold Louis Gegel, B.S. (University of Illinois)Marissa, Ill.
Field of Specialization: Metallurgical Engineering
- Enrique Alejandro Gil, Agr. Eng. (University of Buenos Aires)
 Buenos Aires, Argentina
Field of Specialization: Agronomy
- Truman Homer Hakes, B.E.E. (University of Akron)Cuyahoga Falls
Field of Specialization: Electrical Engineering
- Barbara Jane Halliday, B.Sc. in H.E.....Powell
Field of Specialization: Home Economics
- Robert Fulton Hanlon, B.I.E.....Morristown, N. J.
Field of Specialization: Industrial Engineering
- Dennis Ray Heldman, B.Sc. in Dairy Tech.....Columbus
Field of Specialization: Dairy Technology
- Hugh Norman Henning, B.A., D.D.S.....Piqua
Field of Specialization: Dentistry
- Noel Wayne Hiatt, B.A., D.D.S.....Columbus
Field of Specialization: Dentistry
- Theodore Hopens, B.S. (City College of New York)New York, N. Y.
Field of Specialization: Mathematics
- Robert Martin Keller, B.Ch.E.....Westerville
Field of Specialization: Chemical Engineering
- Richard Arthur Kolson, B.Sc.....Painesville
Field of Specialization: Zoology
- Mehmet Sevkett Kurtis.....Columbus
Field of Specialization: Geodetic Science

- Paul Herbert Kutschenreuter, B.A.E. (New York University) Arlington, Va.
Field of Specialization: Aeronautical and Astronautical Engineering
- Larry Sidney Lawrence, A.B. (Ohio University); D.D.S. Columbus
Field of Specialization: Anatomy
- Victor A. Lawrence, Jr., D.D.S. Lima
Field of Specialization: Dentistry
- Glenn Frank Lindsay, B.S. (Oregon State College) Portland, Ore.
Field of Specialization: Industrial Engineering
- Ali Saleh Malaika, B.Tech. Sc. (University of Manchester, England) Mecca, Saudi Arabia
Field of Specialization: Civil Engineering
- Harold William Mammen, B.A. (State University of Iowa); M.D. (University of Louisville) Worthington
Field of Specialization: Preventive Medicine
- Charlene McClanahan, B.S. (Radford College) Grundy, Va.
Field of Specialization: Zoology
- Robert Bartlett Merrithew, B.S. (University of Massachusetts) Stoneham, Mass.
Field of Specialization: Physics
- Ralph Edward Miles, B.S. (United States Military Academy) Visalia, Calif.
Field of Specialization: Civil Engineering
- Francis Lambert Miller, B.Sc. in Agr. Elyria
Field of Specialization: Agricultural Education
- David Ropp Miskell, B.Sc. in Agr. Coshocton
Field of Specialization: Agricultural Education
- Ramadhhar K. Muralia, B.Sc. (University of Rajputana) Udaipur, Rajputana, India
Field of Specialization: Dairy Technology
- Everette Charles Olson, B.Phys. (University of Minnesota); M.S. (University of Pittsburgh) Columbus
Field of Specialization: Electrical Engineering
- Thomas Daniel O'Neil, D.D.S. Findlay
Field of Specialization: Dentistry
- Stanley Bruce Pitts, Elec. Engr. (University of Cincinnati) Dayton
Field of Specialization: Electrical Engineering
- Kadambi Ramaiyengar Rajagopalan, B.E. (Civil) (University of Poona) Poona, Bombay, India
Field of Specialization: Civil Engineering
- Doris Marvin Rice, B.S. (Stephen F. Austin State College) Nacogdoches, Tex.
Field of Specialization: Chemistry
- James Kennedy Richards, B.S. in Civil Engr. (Stanford University) Olympia, Wash.
Field of Specialization: Geodetic Science
- Ward Charles Roman, B.M.E. (Rensselaer Polytechnic Institute) Baldwin, L. I., N.Y.
Field of Specialization: Mechanical Engineering

- Morton Franklyn Roth, B.S. (United States Military Academy)
Bayside, N. Y.
Field of Specialization: Civil Engineering
- Merle Eugene Scheetz, B.Sc. in Agr. Newark
Field of Specialization: Agricultural Education
- Diane Marie Secoy, B.Sc. Troy
Field of Specialization: Zoology
- Matthew Michael Skertic, B.S. (Youngstown University) Masury
Field of Specialization: Physics
- Gerald David Slawecki, B.S. Met. (Massachusetts Institute of Technology)
Toledo
Field of Specialization: Metallurgical Engineering
- John Nunnelee Snider, B.I.E. Rochester, N. Y.
Field of Specialization: Industrial Engineering
- Addanki Somasundaram, B.V.Sc. (University of Madras)
Vijayavada, Andhra, India
Field of Specialization: Dairy Science
- J. Richard Stewart, B.Sc. Clarksville
Field of Specialization: Mathematics
- Theodore Michael Thomas, B.S. (Michigan State University)
Stevensville, Mich.
Field of Specialization: Horticulture
- Martin Dale Vatis, A.B. (San Diego State College) San Diego, Calif.
Field of Specialization: Geodetic Science
- Madelyn Crabtree Wheeler, B.A. (Hiram College) Geneva
Field of Specialization: Home Economics
- Robert Elwin Williams, D.D.S. Columbus
Field of Specialization: Dentistry
- James Edward Williamson, A.B. (Cornell University) Columbus
Field of Specialization: Chemical Engineering
- Ralph Harold Wilson, B.Sc. Columbus
Field of Specialization: Physics
- Liang-Shian Shu Wu, B.Sc. (Taiwan Normal University); A.M.
(Smith College) Taipei, Taiwan, China
Field of Specialization: Chemistry

(Sixty-nine candidates)

Master of Social Work

- Dorothea Grim Morey, B.S. in Ed. (Northeast Missouri State Teachers
College, Kirkersville) Parkersburg, W. Va.
Field of Specialization: Social Work
- Donald Bernard Piehota, B.A., B.S. (Kent State University) Painesville
Field of Specialization: Social Work
- Roy Winfield Sewer, B.S. (Central State College)
Christiansted, Virgin Islands
Field of Specialization: Social Work

Greta Joan Wheeler, A.B. (Boston University).....Tulsa, Okla.
Field of Specialization: Social Work

James Edward Zika, B.Sc. in Soc. Adm.....Cleveland
Field of Specialization: Social Work

(Five candidates)

Certificate—Specialist in Educational Administration

Robert Eugene Miller, B.Sc. in Edu., M.A.....Delaware

William Robert Williams, B.S.Ed., M.S. (Ohio University).....Lancaster

CANDIDATES FOR TWO DEGREES

James Edward Eugene Brooks.....Columbus
 Bachelor of Arts
 Bachelor of Science in Business Administration

James Cloyd Buchanan.....Wapakoneta
 Master of Science
 Bachelor of Agricultural Engineering

Louise Diane Fox.....Dayton
 Bachelor of Arts
 Bachelor of Science in Education

Eleanor Marie Gray.....Cleveland
 Bachelor Arts
 Bachelor of Science in Education

(Four candidates)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agriculture

James Edward Ashton.....	Green Island, N. Y.
James Robert Aspinwall.....	Middlefield
David Burgess Bird.....	Millersburg
Paul Benjamin Borrer.....	London
Edward Ernest Boughton II.....	Akron
William Arlen Brackney.....	West Liberty
Monroe Henry Briner.....	Montpelier
Robert Franklyn Brough.....	Port Clinton
Robert Wayne Butler.....	Rocky River
Robert Wayne Core.....	Spencerville
Kenneth William Denk.....	Millersburg
Lawrence Ellsworth Earhart.....	Troy
Larry David Elsea.....	Rawson
Robert Elmer Essendorf.....	Parma
Frank Allen Fender (cum laude).....	Goshen
Orin Dale Henderson.....	Camden
James Patrick Herberger.....	Elyria
Richard Lee Horne.....	Canton
George Arthur Irvin.....	Wooster
Gene Allan Isler.....	Prospect
Lyman Brundage Johnson.....	Akron
Marvin Orlo Jones.....	Grelton
Robert Thomas Jones, Jr.....	Cromers
John Stevens Lytle.....	Batavia
William Phillip Marsland.....	Youngstown
Max Edward McGowan.....	DeGraff
Kenneth McNutt.....	Dunkirk
Earl Edward Neal.....	Patriot
Thomas Clason Neal.....	Tipp City
Frank William Perusek.....	Richmond Heights
Frederick James Rafeld (cum laude).....	Ashland
Donald Ray Ramsey.....	St. Louisville
William Sherburne Romoser.....	Columbus
Gail Jan Ruckel.....	Medina
Harvey William Scheffsky.....	Blanchester
Robert Charles Smith.....	Columbus
Kenneth Roger Troutman.....	Wooster
James Richard Van Arsdale.....	Columbia Station
William Charles Watt.....	Bellefontaine

(Thirty-nine candidates)

Bachelor of Science in Dairy Technology

Andrew Lawrence Carpenter.....	Novelty
John Galliger Murray.....	Fairborn
Vernon Conrad Nickel.....	Youngstown

(Three candidates)

**Bachelor of Science
in Food Technology**

Bent Ramskov.....Santa Clara, Calif.

(One candidate)

SCHOOL OF HOME ECONOMICS

**Bachelor of Science
in Home Economics**

Marjorie Irene Bower.....Fremont
Madalyn Carol Brown.....Long Bottom
Judith Gay Bryan.....Springfield
Roberta Tarbox Campbell.....Columbus
Ann Courtright.....Lancaster
Kathleen McMillion Cunningham.....Dorset
Marilyn Ann Eberwine.....Fresno
Bonnie Celesta Glasgow.....Columbus
Sandra Mae High (cum laude).....Columbus
Fay Lang Kennelly.....Port Clinton
Sandra Lou Parrish.....Caldwell
Joyce Elaine Potts.....Hamersville
Judy Whitt Sizer.....Middletown
Alice Louise Tobias.....Brooklyn, N. Y.
Mary Steinmetz Ward.....Upper Sandusky
Bonnie Clausing Waterer.....Toledo

(Sixteen candidates)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

James Salvatore Arrigo.....	Columbus
Laura Dozet Bernhard.....	Columbus
David Orrin Brechbill, Jr.....	Canton
Charles John Brentlinger.....	Columbus
*James Edward Eugene Brooks.....	Columbus
Jon Charles Chambers.....	Lima
William Henry Chavanne.....	Columbus
Jeanne Elizabeth Davis.....	Columbus
David Mathew Dolezal.....	Columbus
Linda Ann Drew.....	Mars, Pa.
Donald Eugene Edwards.....	Cleveland
Allyn Keith Ehrhardt.....	Columbus
Paule Dondale Elliott.....	Reynoldsburg
Algirdas Stasys Fedoravicius.....	Scio
Duane Henry Fink.....	Cincinnati
*Louise Diane Fox.....	Dayton
Hans Thomas French (cum laude).....	Columbus
John Frederick Fuller.....	Lakewood
Edward Buck Geran.....	Dayton
Robert David Goldstein.....	Columbus
*Eleanor Marie Gray.....	Cleveland
Sidney Charles John.....	Bowling Green
Sandra Lynn Kahn.....	Columbus
Judith Leibowitz.....	Dayton
Susan Emelia Littlefield.....	Worthington
Philip Johns Love.....	Columbus
Carol Lynn Maley.....	Leavittsburg
Stanley Bert Marcus.....	Union, N. J.
Elizabeth Kneeland Meyer.....	Akron
Robeson Harley Norton.....	Cape May, N. J.
Allan Edward Offman.....	Toronto, Ont., Canada
Ronald William Phillips.....	Euclid
Earl Dean Poffenberger.....	Cincinnati
Melissa Elsie Potter.....	Columbus
Allen Albert Prebus.....	Columbus
William Ross Rice.....	Chillicothe
Sue Ellen Schwartz.....	Columbus
Jack Taylor Schwarz.....	Dayton
Granville Allen Seward.....	Columbus
Thomas Gilmore Shroyer.....	Westerville
Richard David Snell.....	Milford
Elaine Beth Strong.....	Medina
Dwight Alan Teegardin.....	Columbus
Thomas Michael Tyack (cum laude).....	Columbus
Dale Eugene Zeimer (cum laude).....	Dennison

* Two degrees

(Forty-five candidates)

Bachelor of Science

Michael Edward Bassett.....	Columbus
Jerry Armand Biggs.....	Portsmouth
Jerry Leroy Buys.....	Delphos
Franklin Dean Cehrs.....	Clearwater, Fla.
John Raymond Davis.....	Columbus
Dorothy Ann Duerr.....	Tulsa, Okla.
John Larry Feuerbacher.....	Jackson
Robert Walton Foster.....	Euclid
Edwin Bruce George.....	Bucyrus
Barry Keith Henderson.....	Ashtabula
Roy Lester Henderson.....	Salem
Wesley Wayne Hiser.....	Ludlow Falls
Raymond John Homa.....	Maple Heights
Donald Franklin Kattelman.....	Cincinnati
Edward Michael Klepper.....	Lima
Demetrios Liappas.....	Cleveland
Patrick Joseph McKibben.....	Continental
Murry James Mercier III.....	Columbus
Malcolm Keenan Miller.....	Bellefontaine
Dennis Boyd Rankin.....	Sabina
Smith Garrett Robinson.....	Columbus
Ronald Lee Schoonover.....	Columbus
Anton Lawrence Schumick.....	Columbus
Thurston Woolever Shook II.....	Columbus
John Raymond Springer.....	Glenford
Gary Frank Stebbins.....	Greenville
Kenneth Wayne Talmadge.....	Dayton
Paul Edward Wiest.....	Cleveland
Roger LeRoy Williams.....	Clyde
Howard Alan Zlotnick.....	New York, N. Y.

(Thirty candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

Mary Kathryn Evans.....	Worthington
William Barton Reiber.....	Columbus
Nancy Dorothy Stenger.....	Akron

(Three candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Acting Dean: ARTHUR D. LYNN, JR.

Bachelor of Science in Business Administration

Robert Bruce Aldridge.....	Groveport
Jack Dwight Armentrout.....	Fredericktown
Penelope Anne Avren.....	Columbus
Donald Allen Baur.....	Columbus
James Robert Blazer.....	Gallipolis
Richard William Bolton.....	Urbana
John Henry Boyce.....	Chillicothe
*James Edward Eugene Brooks.....	Columbus
Charles Joseph Clark.....	London
David Truman Crary (cum laude).....	Upper Sandusky
John Taylor Eby.....	Wooster
Thomas Watterson Faris.....	Lorain
Dean Lyle Fleming.....	Columbus
James Nelson Fodor.....	Brooklyn
John Morton Frank.....	Columbus
Daniel Stanley Galvin.....	Cleveland Heights
Donald Eugene Garner.....	Bucyrus
Lawrence Joseph Gilkey.....	Cincinnati
Harvey Sheldon Goldsmith.....	Cleveland Heights
Arthur Herman Haas.....	St. Clair, Mich.
Neal Wesley Hamilton.....	Uhrichsville
Joseph Kent Harrison.....	Middletown
Gabriel C. Hartman.....	Troy
Alfred Joel Hollifield.....	Medway
Donald Ray Ingmire.....	Mt. Gilead
Thomas Richard Jander.....	Columbus
Richard Louis Jennings.....	Dover
Michael Carl Kasson.....	Columbus
William Wadie Khoury.....	Jerusalem, Jordan
Keith Daryl King.....	New Albany
Albert Eugene Knutson (summa cum laude).....	Jewell, Ia.
Leonard Michael Kolosha.....	Cambridge, Mass.
Paul Edward Kulick.....	Akron
Edward Gary Levine.....	Cleveland
Louis Polster Lowy.....	Columbus
Ronald William Lucke.....	Loveland
David Salvatore Maggiore.....	Canton
William Tracy Martin.....	Columbus
Thomas Roland Matte.....	East Cleveland
David Henry McClelland.....	Waverly
Barry Irving Merrick.....	Conneaut
William Henry Miller.....	Cleveland
Charles Edward Moore, Jr.....	Portsmouth
Joseph Francis Nahan.....	Columbus
Alan William Neuman.....	Cleveland
William George Nickels.....	Rocky River
Charles Vincent O'Donnell.....	Columbus
Susan Kimball Pitcher.....	Columbus

* Two degrees

Wayne Allen Pittenger.....	Mansfield
Robert John Ponti.....	Mentor
Merle Dean Rotsel.....	Bryan
Richard Louis Royer.....	Canton
Paul Aubrey Schaefer, Jr.....	Dayton
Robert Leo Schirtzinger.....	Columbus
Edwin Alfred Shrimpton.....	Euclid
Dorothy Weinman Smith.....	Steubenville
Kenneth Eugene Somerlot, Jr.....	Marion
Earl James Stewart.....	Urbana
Herbert Allison Timberlake, Jr.....	Hamilton
George Kay Tolford III.....	Swanton
William Dunham Vanderbilt III.....	Cleveland
George Dickson Wadsworth.....	Mentor
Robert Dale Ward.....	Bryan
Thomas Allen Ward.....	Bryan
Charles Craig Washing.....	Toledo
Joseph Roy Weaver.....	Columbus
Donald Anthony White.....	Columbus
Elden Edward Zell.....	Bellefontaine
Joel Ronald Zwelling.....	Dayton

(Sixty-nine candidates)

Bachelor of Science in Social Welfare

Linda Leone Fuller.....	Piqua
Ann Nadine Herr.....	Columbus
Clarence Merle Robinson, Jr.....	Columbus
Toby Leila Rosenberg.....	Atlanta, Ga.

(Four candidates)

COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

Doctor of Dental Surgery

Samuel Jon Wilson, B.S. (Bluffton College).....Cincinnati

(One candidate)

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

Jo Ann Vesco Adrion.....	Columbus
Richard Douglas Albaugh.....	New Philadelphia
Lorraine June Appelbaum.....	Shaker Heights
Bisher Isa Atallah.....	Bethlehem, Jordan
Grace Carol Beaver.....	Worthington
Barbara Lee Blecman.....	Elyria
Claudette Huston Bohl.....	Columbus
Sherrie Gay Bouse.....	Euclid
John Robert Canfield.....	Grove City
Aurel George Cazan, B.A.....	Columbus
Caroline Inetha Cheek.....	Columbus
Nicholas P. Costa, Jr.....	Salem
Nancy Kay Cramer, B.A.....	Marion
Nancy Luttrell Cummins.....	St. Paris
William Richard Davis.....	Lewistown
Leanne Catherine Dieleman.....	Drumbo, Ont., Canada
Joan Ellen Elsasser.....	Glenmont
Barbara Ann Evans, B.S. in Ed. (Wittenberg University).....	Springfield
Jerry Lincoln Everhart.....	Sycamore
Carole Geraldine Finkbone.....	Columbus
Elizabeth Ann Finley.....	Solon
Sonya Moose Flemming (summa cum laude).....	Columbus
Larry Earl Flinn.....	Kenton
*Louise Diane Fox.....	Dayton
Toby Gaswirth.....	Brooklyn, N. Y.
Judith Louise Giesseman.....	Tipp City
Carol Ann Gore.....	Columbus
*Eleanor Marie Gray.....	Cleveland
Kathleen Ann Grogan.....	Urbana
Cloe Ann Gusweiler.....	Cincinnati
Charles Thomas Hatton.....	Columbus
Robert Theodore Hopkins.....	Cleveland
Sally Goodfellow Howe.....	Springfield
Philip Dana Jaeger, Jr.....	Amherst
Pamela Anne Jameson.....	Wooster
Paul Joseph Johanni.....	Cleveland
Gerald Eugene Jones.....	Columbus
Hazel Mae Keller (cum laude).....	Highland Park, Ill.
Marsha Lois Kelner.....	Cleveland
Marilyn Lee Klass, A.B. (Miami University).....	Dayton
Mary Jeanette Kleinlein.....	Columbus
George Alfred Krebs, Jr.....	Newark
Dorothy Marie Krohn.....	Youngstown
Mary Price Langermeier.....	Cleveland
Rosslyn Lawson.....	Worthington
Ruth Jeannette Lindeck.....	Columbus
Carolyn Eileen Lowry.....	Columbus
Ellis Edward Lutz.....	Cincinnati

* Two degrees

Melanie Diane Maddox.....	West Chester
Lola Shedd Marcus.....	Columbus
James Moreland McDonald.....	Columbus
Rebecca Slocumb McDonald.....	Newark
Guy Harding McIver.....	Columbus
Ann Campbell McKinnon.....	Gahanna
David Oren Meachen.....	Columbus
Donald Maurice Meador.....	Cincinnati
Milton Bruce Meredith, B.A.....	Cleveland
Harriet Susan Mervis.....	Lima
Eleanor Joyce Michaelson.....	Columbus
Diane Ray Miller.....	Indianapolis, Ind.
Fredric Lee Miller.....	Middletown
Patricia Lou Miller.....	Sunbury
Glenna Neace, B.A.....	Milford
Margaret Jane Neville.....	Painesville
Charles Wilson Osborne.....	Columbus
Nancy Virginia Paine.....	Cincinnati
Horace William Paulson.....	Columbus
Larry Dee Peach.....	Lore City
John Willard Peck.....	Chillicothe
Beverly Brown Pepper.....	Columbus
Connie Lue Pfoutz.....	West Alexandria
Gail Sandra Ponitch (cum laude).....	Chicago, Ill.
Jean Alice Porter.....	Worthington
Ralph Harlan Rapp.....	Marion
Robert Daniel Redfern.....	Clarksville
Robert Glen Roberts.....	Marion
Lucy Hester Rogge, B.Sc. (cum laude).....	Bryan
Elizabeth Von Muller Rubin, A.B. (Cornell University).....	Worthington
Donald Allan Russell.....	DeGraff
Forest Charles Sammons, Jr.....	Columbus
Marilyn Samsa.....	Euclid
John Harvey Saylor.....	Van Wert
John Philip Schaefer.....	Chillicothe
Connie Bea Schimmel.....	Omaha, Nebr.
Emily Jean Schultz.....	Xenia
Robert Walter Shoemaker.....	Xenia
Mary Behrens Smith.....	Napoleon
Rowland Frank Smith, Jr.....	Bellport, N. Y.
Martha Jane Snively.....	Massillon
Joann Ruth Sopkovich.....	Canfield
Leonard Steiger.....	University Heights
Marcia Phyllis Stein.....	Cleveland
Franklin Lee Stephens.....	Zanesville
Rochelle Audrey Stone, B.A.....	Shaker Heights
Lois Jo Taft.....	Columbus
Janet Sutjak Teegardin.....	Fairview Park
Carol Ann Thomas.....	Cleveland
Paul Robert Treece.....	Worthington
Nicholas K. Trost.....	Tipp City
Beverly Hare Wadsworth.....	Troy
Harriet Lucille Wain.....	Mansfield
Arthur Rudolph Weisberg.....	Columbus
James Robert Wilson.....	Columbus
Romayn Wilson, B.A.....	Toronto
Roy Glenn Winfield.....	Unionville

April 6, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Change in Title and Transfer

Robert E. Oates to be transferred from the University Counseling and Testing Center to the College of Arts and Sciences and his title to be changed from Director of Orientation Programs and Supervisor of Testing to Assistant Dean, effective April 1, 1962, at an annual salary of \$9,768.00.

B. Leaves of Absence Without Salary

Christine Newark, Professor, School of Home Economics, April 1, 1962 through June 30, 1962, because of personal illness.

Ronald Lee Woltz.....Newport
Sara Kiefer Zox.....Columbus

(One hundred and seven candidates)

Bachelor of Fine Arts

Earle Wicklief Elleman III.....Columbus
Michael Martin King.....Columbus
Sue Carolyn Smith.....Cincinnati
Winship Whittemore Story, Jr.....Circleville
Corintha Abbott Thomas.....Lakewood
Edmund Aloysius Weaver, Jr.....Carey
Jack Dee Wertz.....Columbus

(Seven candidates)

Bachelor of Music

Paula Sain Gardiner.....Greensboro, N. C.
Stephen Kenyon Stafford.....Marion

(Two candidates)

**Bachelor of Science
in Occupational Therapy**

James Scott Worley.....Cincinnati

(One candidate)

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Low Energy Nuclear Physics (to be known as U. S. Atomic Energy Commission Project No. 807 - Sup. #6 - Department of Physics and Astronomy).
Gross Value - \$70,000.00.
- b. Headquarters, Electronics Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for Studies in Radio Astronomy (to be known as Electronic Systems Division Project No. 844 - Sup. #5 - Department of Electrical Engineering).
Gross Value - \$40,000.00.
- c. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Electronic Reconnaissance Antennas (to be known as Aeronautical Systems Division Project No. 903 - Sup. #8 - Department of Electrical Engineering).
Gross Value - \$90,000.00.
- d. National Aeronautics and Space Administration, 1520 H Street, N. W., Washington 25, D. C., for an Investigation of Receiver Techniques and Detectors for Use at Millimeter and Submillimeter Wave Lengths (to be known as National Aeronautics and Space Administration Project No. 1093 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$100,000.00.
- e. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of The Role of Colleges and Universities in the Education of the Aged (to be known as Office of Education Project No. 1419 - New - Bureau of Educational Research and Service).
Gross Value - \$6,820.00.
- f. Headquarters, Aerospace Medical Division, Air Force Systems Command, Brooks Air Force Base, Texas, for Research, Reports and Development of a Catheter-tip Flowmeter for the Measurement of Coronary Blood Flow in the Intact Anesthetized Dog and Subsequent Determination of the Dynamic Pressure-flow Relationship of the Coronary System (to be known as Aerospace Medical Division Project No. 1421 - New - Department of Physiology).
Gross Value - \$14,244.00.

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Donald Dayle Lacy.....Conesville
James Eric McDonald, B.S. (Syracuse University).....Schenectady, N. Y.
Troy Richard Schiller.....Columbus
Roger Nicholas Wells.....Chillicothe

(Fourteen candidates)

Bachelor of Industrial Engineering

Thomas Cayle Adams.....Chardon
Eugene Richard Chalfant.....Kittanning, Pa.
Ronald Glenn Ellison.....Hillsboro
Henry James Freeman II.....Columbus
Roger Jeffrey McNichols.....Columbus
Daniel Edward Molnar.....Cleveland
Ronald Glenn Payne.....West Lafayette

* Two degrees

(Seven candidates)

Bachelor of Mechanical Engineering

James Ernest Baehr.....	Bucyrus
Jerry Alan Carter.....	Mt. Vernon
Edward George Day.....	Columbus
Joseph Warren King.....	Kings Mills
Kendall Lewis.....	Cadiz
Donald Eugene Syler, Jr.....	Beverly
Raymond Tom.....	Akron

(Seven candidates)

Bachelor of Metallurgical Engineering

Richard John Mittendorf.....	Avon
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(One candidate)

Bachelor of Science in Physics

Robert Allyn McCoy.....	Columbus
William Wayne Morey.....	Franklin
Larkin Shaumus O'Neill.....	Columbus

(Three candidates)

SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE

Bachelor of Landscape Architecture

Samuel George Crozier.....	Clementon, N. J.
Robert Andrew Thomas.....	Maple Heights

(Two candidates)

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

SCHOOL OF NURSING

**Bachelor of Science
in Nursing**

Mary Marshall Caldwell (cum laude)	Cleveland
Mary Rohovsky Donahue	Youngstown
Linda Chambers Gallogly	West Jefferson
Linda Kay Lampe	Euclid
Martha Ann Maher	Columbus
Joan Ethel Roth	Cleveland
Jane Frances Skidmore	Akron
Flo Ann Sours	Bellefontaine
Judy Ann Swartwood	Lorain
Janelle Lucille Sweitzer	Cleveland
Marion Vangeli Vander Zanden	Columbus
Sandra Easton Warner	Marysville
Elizabeth Jane Ziemann	Cleveland

(Thirteen candidates)

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SIXTY-NINTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, April 6, 1962

The Board of Trustees met at its regular monthly meeting on Friday, April 6, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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April 6, 1962 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Student Fees

As a result of a very careful analysis of the financial resources available to the University for the 1962-63 fiscal year, it is concluded that a modest advance in student fees is necessary if the University is to (1) avoid a drop in the quality of its educational program, (2) remain in a fairly competitive position in its attempt to retain faculty members and search for others, and (3) keep pace with the increasing need for improved student facilities and services.

It is therefore recommended that effective Autumn Quarter 1962 student fees shall be in accordance with the schedule indicated below. All of the increase in student fees shall be deposited in the Incidental Fee Account with the exception of \$5.00 per Quarter per student, which amount shall be deposited in the Student Facilities Fee Account.

<u>College or School</u>	<u>Fees for Resident Students Per Quarter</u>	<u>Fees for Non-Resident Students Per Quarter</u>
Agriculture and Home Economics	\$110	\$260
Arts and Sciences	110	260
Commerce and Administration	110	260
Education	110	260
Engineering	110	260
Graduate School	110	260
School of Nursing	110	260
School of Optometry	147	297
Dentistry	230	380
Dental Hygiene and Dental Laboratory Technology	157	307
Law	132	282
Medicine	230	380
Pharmacy	115	265
Veterinary Medicine	150	300

All other fees as set forth by the action of the Board of Trustees at its meeting on March 11, 1960 shall remain unchanged.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation to increase fees, effective Autumn Quarter 1962, was unanimously approved by roll call vote and a detailed schedule of student fees as approved above is included in the minutes of this meeting as Appendix IX, page 435.

April 6, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rule 21.09 of Rules for the University Faculty

On March 13, 1962 the Faculty Council recommended that Rule 21.09, Speakers Rule, of Rules for the University Faculty, be amended by deleting Section 2 and inserting in place thereof the following:

Section 2. Officially recognized student organizations shall be entitled to issue invitations to guest speakers, subject to the prior written approval of the Faculty or Staff adviser. (See Rule 53.01.) In assuming sole responsibility for such invitations, the adviser need not personally desire the speaker but must be satisfied that the organization is acting in good faith and that an invitation would serve the best and overall interests of the University (as described in Section 1 of this Rule).

It is therefore recommended that this action of the Faculty Council be approved.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

C. Naming of Student Housing Units North of Campus

Upon the proposal of Mr. Frederick Stecker, Executive Director, University Relations, after consultation with appropriate administrative officers of the University, it is recommended that the nine low-rise student housing units that are to be erected in the complex north of the campus be named in memory of former students who are representative of the University's honored war dead. The student housing units to be named are identified as follows:

Student Housing Unit One	"Barrett House" In memory of Thomas W. Barrett, Agr. w'19
Student Housing Unit Two	"Halloran House" In memory of William I. Halloran, B.Sc. in Journalism '38
Student Housing Unit Three	"Blackburn House" In memory of John T. Blackburn, Com. w'42
Student Housing Unit Four	"Haverfield House" In memory of James W. Haverfield, B.A. '39
Student Housing Unit Five	"Norton House" In memory of Fred W. Norton, Jr., B.Sc. in Forestry '17
Student Housing Unit Six	"Scott House" In memory of Robert R. Scott, Arts w'41

April 6, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Naming of Student Housing Units North of Campus (continued)

Student Housing Unit Seven	"Houck House" In memory of Edwin R. Houck, B.Sc. in Business Adminis- tration '38 and Ernest C. Houck, B.E.M. '38
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Student Housing Unit Eight	"Nosker House" In memory of William C. Nosker, B.Sc. in Agri- culture '42
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Student Housing Unit Nine	"Archer House" In memory of John F. Archer, Com. w'45
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It is further proposed that the Central Dining Hall in this complex be named "Royer Commons" in memory of the late Ray M. Royer, who spent forty-eight years in the service of the University. He became the University's first purchasing agent in 1908 and served in this capacity until his retirement in 1950.

These proposals have the concurrence of the President's Cabinet and are in accordance with the By-Laws of the Board of Trustees. They are hereby recommended for your approval.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the naming of the student housing units indicated above.

D. Establishment of University Treasurer General Fund

Certain statutes were enacted by the 104th General Assembly that make it proper for the University to establish a University Treasurer General Fund for the receipt of repayments on self-liquidating projects and such other payments to the University as come properly within such a fund.

It is therefore recommended that the University General Fund be established in the University Treasurer Account.

Upon motion of Mr. Ketner, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the March 15, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Change in Title and Transfer and Leaves of Absence Without Salary:

April 6, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Change in Title and Transfer

Robert E. Oates to be transferred from the University Counseling and Testing Center to the College of Arts and Sciences and his title to be changed from Director of Orientation Programs and Supervisor of Testing to Assistant Dean, effective April 1, 1962, at an annual salary of \$9,768.00.

B. Leaves of Absence Without Salary

Christine Newark, Professor, School of Home Economics, April 1, 1962 through June 30, 1962, because of personal illness.

Richard R. Newberg, Professor (part time - 40%) Agricultural Economics and Rural Sociology, May 1, 1962 through May 31, 1962, to serve as Coordinator for the second Latin America Conference on Marketing to be held in Rio de Janeiro.

John W. Sharp, Professor (part time - 46%), Agricultural Economics and Rural Sociology, May 1, 1962 through May 31, 1962, to go to Central and South America for AID.

Raymond A. Bailey, Associate Professor (part time - 77%), Agricultural Economics and Rural Sociology, May 16, 1962 through May 31, 1962, to plan an agricultural credit seminar in the Southeast Asia area for AID.

Hazel L. Gibbony, Assistant Professor and Research Associate, Bureau of Educational Research and Service, April 1, 1962 through April 30, 1962, because of the death of her husband.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the Change in Title and Transfer, Leaves of Absence Without Salary and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting:

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Low Energy Nuclear Physics (to be known as U. S. Atomic Energy Commission Project No. 807 - Sup. #6 - Department of Physics and Astronomy).
Gross Value - \$70,000.00.
- b. Headquarters, Electronics Systems Division, Air Force Systems Command, Laurence G. Hanscom Field, Bedford, Massachusetts, for Studies in Radio Astronomy (to be known as Electronic Systems Division Project No. 844 - Sup. #5 - Department of Electrical Engineering).
Gross Value - \$40,000.00.
- c. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Electronic Reconnaissance Antennas (to be known as Aeronautical Systems Division Project No. 903 - Sup. #8 - Department of Electrical Engineering).
Gross Value - \$90,000.00.
- d. National Aeronautics and Space Administration, 1520 H Street, N. W., Washington 25, D. C., for an Investigation of Receiver Techniques and Detectors for Use at Millimeter and Submillimeter Wave Lengths (to be known as National Aeronautics and Space Administration Project No. 1093 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$100,000.00.
- e. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of The Role of Colleges and Universities in the Education of the Aged (to be known as Office of Education Project No. 1419 - New - Bureau of Educational Research and Service).
Gross Value - \$6,820.00.
- f. Headquarters, Aerospace Medical Division, Air Force Systems Command, Brooks Air Force Base, Texas, for Research, Reports and Development of a Catheter-tip Flowmeter for the Measurement of Coronary Blood Flow in the Intact Anesthetized Dog and Subsequent Determination of the Dynamic Pressure-flow Relationship of the Coronary System (to be known as Aerospace Medical Division Project No. 1421 - New - Department of Physiology).
Gross Value - \$14,244.00.

April 6, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for an Investigation of Application of Electro-magnetic Absorbing Materials as Interference Reduction Techniques (Contract document unclassified; however, performance may involve classified information and equipment) (to be known as Rome Air Development Center Project No. 1423 - New - Department of Electrical Engineering).
Gross Value - \$21,000.00.
- h. Sandia Corporation, P. O. Box 5800, Albuquerque, New Mexico, for an Investigation of Fundamental Cathode Mechanisms in a Metal Vapor Arc (to be known as Sandia Corporation Project No. 1424 - New - Department of Electrical Engineering).
Gross Value - \$45,000.00.
- i. National Science Foundation, Washington 25, D. C., for an Investigation of Geology of the Mt. Weaver Area (Queen Maud Mountains) (to be known as National Science Foundation Project No. 1428 - New - Institute of Polar Studies).
Gross Value - \$50,800.00.
- j. National Science Foundation, Washington 25, D. C., for Purchase of a Proton Magnetic Resonance Spectrometer (to be known as National Science Foundation Project No. 1429 - New - Department of Chemistry).
Gross Value - \$20,000.00.
- k. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for an Investigation of Productivity in the Research Team (to be known as Office of Aerospace Research Project No. 1430 - New - Engineering Experiment Station).
Gross Value - \$45,548.00.
- l. Classified Program (to be known as Classified Program Project No. 1223 - Sup. #2 - Department of Electrical Engineering).
Gross Value - \$100,000.00.

TOTAL - Government Contracts - Federal \$603,412.00

April 6, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and The Ohio State University Research Foundation

2. Industrial and Other Contract

- a. Eastman Kodak Company, Apparatus and Optical Division,
400 Plymouth Avenue, N., Rochester 4, New York, for an
Investigation of Infrared Stellar Background Problems (to be
known as Eastman Kodak Company Project No. 1418 - New -
Department of Physics and Astronomy).
Gross Value - \$24,170.00.

The foregoing thirteen contracts for research in cooperation with
Government, Industry and Other represent a gross income of \$627,582.00.

Upon motion of Mr. Patton, seconded by Mr. Ketner, the research agreements
between The Ohio State University and The Ohio State University Research
Foundation for the above contracts were unanimously approved by roll call vote.

B. The Report of the Research Contracts from the Engineering Experiment Station

During the period from March 1, 1962 through March 23, 1962, the Engi-
neering Experiment Station of The Ohio State University entered into the
following research contracts. These research contracts are reported to
the Board of Trustees for information and record.

1. Government Research Contracts

- | | |
|---------|---|
| EES 179 | Development of Improved Methods for Financial Cash |
| Ext. #2 | Forecasting for the Ohio Department of Highways, Ohio
Department of Highways, Columbus, Ohio.
Gross Value - \$2,625.00. |
| EES 189 | A Study of Roadside Maintenance and Its Effect on High-
way Design and Construction, Ohio Department of High-
ways, Columbus, Ohio.
Gross Value - \$29,400.00. |

TOTAL - Government Research Contracts \$32,025.00

2. Industrial Research Contracts

- | | |
|-----------|--|
| EES 172-B | Development Fund Project 21466, National Bituminous
Concrete Association Fund, Bituminous Concrete
Producers Association, Columbus, Ohio.
Gross Value - \$2,010.00. |
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April 6, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts from the Engineering Experiment Station

2. Industrial Research Contracts (continued)

EES 211 A Feasibility Study of a Super High Power Integrated
Tube and Antenna System, North American Aviation,
Inc., Columbus, Ohio.
Gross Value - \$7,532.00.

TOTAL - Industrial Research Contracts \$9,542.00

The foregoing four contracts for research in the Engineering Experiment
Station represent a gross income of \$41,567.00.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the
record, and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$377,900.00 granted by the Department of Health, Education and Welfare,
Public Health Service, National Institutes of Health, Bethesda 14, Mary-
land, to the University for the training of young physicians in cardio-
vascular diseases, with the primary purpose of providing teachers and
research workers. This project entitled "Medical Cardiology," under
the direction of Dr. James V. Warren, Department of Medicine, will
continue from July 1, 1962 through June 30, 1967. [HTS-5546(C1)]
2. \$10,370.00 granted by the National Science Foundation to the University
for support of an "In-Service Institute in Physics for Secondary School
Teachers," under the direction of William R. Riley, Department of
Physics, to terminate on or about June 30, 1963. (Grant NSF-G22187)
3. \$6,700.00 granted by the National Science Foundation to the University
for support of "Conversion of Space into a Laboratory for Surface
Chemistry Research," under the direction of Q. Van Winkle, Department
of Chemistry, for a period of approximately one year. (Grant NSF-
22671)

TOTAL - Through Office of Business and Finance \$394,970.00

April 6, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund

1. \$1,000.00 for the William Randolph Hearst Foundation Fund.

William Randolph Hearst Foundation Fund

The William Randolph Hearst Foundation Fund was established March 22, 1962 by a gift through the Development Fund from the William Randolph Hearst Foundation, to be invested by the Treasurer of the University according to rules and regulations adopted by the Board of Trustees of the University with right to invest and reinvest as occasion dictates.

The income is to be used for annual awards to a sophomore and to a junior student, who, in the judgment of the scholarship committee of the School of Journalism have achieved outstanding performance as reporter and writer.

In the event the need for such awards ceases to exist, then the Board of Trustees of the University may use said income in its discretion, preference to be given however to items in the field of journalism.

2. \$4,295.85 for the Chrysanthemum Society of America Fund.

Chrysanthemum Society of America Fund

The Chrysanthemum Society of America Fund was established March 26, 1962 by a gift through the Development Fund from the trustees of the Chrysanthemum Society of America. The principal and any additional contributions are to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

The income from this fund shall be used only for personnel for graduate research with florist crops which shall be directed by the staff of the Department of Horticulture and Forestry of The Ohio State University. In the event the need for this type of research should cease to exist or so diminish as to leave unused income, then the Board of Trustees of The Ohio State University shall use said income in its discretion, preference to be given to the general field of Horticulture.

TOTAL - Through the Development Fund \$5,295.85

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In February, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

April 6, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund (continued)

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	264	\$12,524.09
Individuals, Other Than Alumni	72	1,430.77
Non-Profit Organizations	24	24,082.79
Business Concerns	31	28,119.25
	<u>391</u>	<u>\$66,156.90</u>

Of these gifts, 267 totaling \$22,514.75 were undesignated and 124 totaling \$43,642.15 were designated.

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V. APPROPRIATION AND TRANSFER OF FUNDS

A. Equipment Supporting Contract Research

At the request of the Vice President, Instruction and Research, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$182,000.00 be appropriated from the University Treasurer Subaccounts (a) Replacement Equipment Account (\$100,000.00) and (c) Special Projects Account (\$82,000.00) to provide funds for the purchase of certain essential items of research equipment for the University's five major research contracting departments. The total amount shall be divided among the following departments as indicated.

Department of Psychology	\$24,000.00
Department of Electrical Engineering	73,800.00
Department of Aeronautical and Astronautical Engineering	23,600.00
Department of Physics and Astronomy	27,600.00
Department of Chemistry	33,000.00

Upon motion of Mr. Patton, seconded by Mr. Ketner, the Board of Trustees by unanimous roll call vote approved the appropriation of an amount not to exceed \$182,000.00 from the University Treasurer Subaccounts (a) and (c) for the purchase of certain essential items of research equipment.

B. Transfer of Funds for Purchase of Mitchell Farm

The property known as the Mitchell Farm comprising 85 acres more or less, and located on the north perimeter of Don Scott Field with some frontage on Route 161 in accordance with the legal description of the property, is now available to the University. Since this property is specified in the Master Plan as land for the use of corollary functions at the University Airport and since this is the most propitious time at which to acquire it, it is recommended that funds be transferred from University Treasurer Account No. 19999 to the Investment Portfolio so that the property may be acquired at a price of

April 6, 1962 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

B. Transfer of Funds for Purchase of Mitchell Farm (continued)

\$1,800.00 per acre, the actual number of acres to be determined by a registered surveyor. The property is to be held in the Investment Portfolio until such time as the Board may designate further disposition of it.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Men's Housing 1 and 2 and Dining Facility

Heating, Ventilating and Air Conditioning Contract

It is recommended that enclosures be provided for all pipe risers in the dormitory rooms.	Add	<u>\$2,140.00</u>
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Funds will be provided from Dormitory Construction Funds.

B. Installation of Water Softening and Heating Equipment in the Laundry at The Ohio State University

It is recommended that the location of the 6" drain line be changed and that the steam cross connection be increased in size from 2" to 3".	Add	<u>\$ 561.77</u>
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Funds will be provided from Account 708, H.B. 390.

It is recommended that an extension of time for completion of contract be approved from December 31, 1961 to March 31, 1962, because of a delay in receipt of major components for the project.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendations individually and collectively were approved by unanimous roll call vote.

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April 6, 1962 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following project be approved by the Board of Trustees:

A. Structure to House Van de Graaff Generator

Funds for this project will be provided from Item 004, S.B. 592.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above project for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with the advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repairs for Two Radial Brick Chimneys at The Ohio State University Power Plant

Bids were received on March 29, 1962 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
American Chimney Corporation		
(Hackensack, New Jersey)	\$ 7,979.00	\$15,000.00

Funds will be provided from Department 2370 Power Plant, Budget Account 12350 Contract Repair and Remodeling, H.B. 390.

B. Research Center, Remodeling Area 800

Bids were received on April 3, 1962 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(9 bids received)		
Kautz Construction Co. (Columbus, Ohio)		
Base bid	\$ 7,400.00	\$ 7,050.00
Alt. G-1 Movable Partitions	1,480.00	3,000.00
Alt. G-2 Chain Link Fence	230.00	250.00
Total	<u>\$ 9,110.00</u>	<u>\$10,300.00</u>

April 6, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Research Center, Remodeling Area 800 (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating, Ventilating and Air</u> <u>Conditioning Contract</u> (7 bids received)		
The Kuempel Co. (Columbus, Ohio)	\$ 6,939.00	\$ 6,000.00
<u>Electrical Contract</u> (10 bids received)		
Jess Howard Electric Co. (Columbus, Ohio)	\$ 5,696.00	\$ 4,700.00
<u>Total contracts</u>	<u>\$21,745.00</u>	<u>\$21,000.00</u>

Funds for this project will be provided by a transfer from the University Research Account, Subaccount (f), to Account 718 Research Center Offices, Area 800, H. B. 390.

Upon motion of Mr. Allyn, seconded by Mr. Patton, the above award of contracts was approved and the action of the Vice President, Business and Finance, ratified by roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 169 Approves the expenditure of \$21,200.00 from Account 760 North Dormitory Land Purchases, H.B. 390, to provide funds for the purchase of property at 144 West Woodruff Avenue, Columbus, Ohio.
- 170 Approves the expenditure of \$11,900.00 from Account 760 North Dormitory Land Purchases, H.B. 390, to provide funds for the purchase of property at 135 West Frambes Avenue, Columbus, Ohio.
- 171 Approves the expenditure of \$12,300.00 from Account 765 Land Purchase, H.B. 390, to provide funds for the purchase of property at 163 West Frambes Avenue, Columbus, Ohio.
- 172 Approves the expenditure of \$12,000.00 from Account 765 Land Purchase, H.B. 390, to provide funds for the purchase of property at 133 West Frambes Avenue, Columbus, Ohio.
- 173 Approves the expenditure of \$11,000.00 from Account 765 Land Purchase, H.B. 390, to provide funds for the purchase of property at 209 West Frambes Avenue, Columbus, Ohio.
- 174 Authorizes the transfer and expenditure of \$37.17 from Rotary 601 to Account 722 Remodel Rehearsal Hall, H.B. 390, to provide funds for a final adjustment in the architect's fee for this project.

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April 6, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Student Housing, Building #3

It is recommended that W. E. Monks, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for this project, including design, preparation of drawings, specifications and estimate of cost and complete field supervision of construction.

The fee for this service will be 3.75 per cent of the contract cost of mechanical work or an estimated fee of \$9,863.00. Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above recommendation was unanimously approved by roll call vote.

B. Repairs in Derby Hall Bookstore Area

It is recommended that Ralph & Curl, Columbus, Ohio, be employed to provide complete professional engineering services for air conditioning for the above project, including design, preparation of drawings, specifications, and estimate of cost.

The fee for this service will be computed on an hourly basis of \$7.50 per hour for a principal, \$6.00 per hour for an engineer, and \$4.50 per hour for a draftsman with an estimated maximum of \$500.00. Funds will be provided from the Bookstore Rotary.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. Physics Building - Telescope Project

It is recommended that Fred E. Wright & William W. Gilfillen, Columbus, Ohio, be employed to provide preliminary architectural services including preliminary studies, drawings, outline specifications and estimate of cost for the project. If this project is carried on to completion, the architect will accept a standard architectural contract with a deduction for the amount paid for preliminary work.

The fee for this service will be calculated on an hourly basis of \$8.50 per hour for a principal architect and \$7.00 per hour for office workers. Funds will be provided from pro rata funds.

Upon motion of Mr. Allyn, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

D. Improvements in Electrical Systems, University Hospital

It is recommended that Ralph J. Kramer, Comer & Passe, Columbus, Ohio, be employed to provide complete professional engineering services including design, preparation of drawings, specifications and estimate of cost, and supervision of construction.

April 6, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

D. Improvements in Electrical Systems, University Hospital (continued)

The fee for this service will be calculated on an hourly basis of \$7.50 per hour for a principal engineer and \$6.00 per hour for engineers, the total fee not to exceed \$23,120.00. Funds will be provided from a transfer from Hospital Rotary to an appropriate building account.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

E. Purchase of Buildings and Property, 2764 Case Road

During the Board of Trustees meeting of July 14, 1961, the Board authorized the Vice President, Business and Finance, to proceed with the purchase of the following property from William L. Parker, guardian of Bertie L. Lane, at a price of \$5,200.00:

Property known as 2764 Case Road, being .45 acre more or less including a four-room frame residence in Perry Township, County of Franklin, State of Ohio.

Approval of this purchase was subject to receipt of an appropriation for purchase of land for the biennium 1961-63. Appropriations were not received for the purchase of land.

It is now recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the above property. Funds are now available in Account Number 19999.

Upon motion of Mr. Ketner, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Jacob B. Taylor, Professor Emeritus of Accounting and former Vice President and Treasurer, and, in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Jacob Bacchus Taylor

The Board of Trustees expresses its sorrow at the death on March 14, 1962, of Jacob Bacchus Taylor, Professor Emeritus of Accounting and former Vice President and Treasurer.

April 6, 1962 meeting, Board of Trustees

XI. RESOLUTION IN MEMORIAM (continued)

A. Jacob Bacchus Taylor (continued)

After receiving his B.S. degree from the University of Pennsylvania in 1921, Mr. Taylor joined the teaching staff of the University of North Dakota. He received his M.A. degree from that University in 1923 and advanced to the rank of Associate Professor in 1927. He joined the Ohio State faculty in 1927 as Associate Professor in the Department of Accounting, became Chairman of that Department in 1930, and received the rank of Professor in 1932. From 1939 to 1943, Professor Taylor took leave from the University to serve as Ohio's Director of Liquor Control and as a member of the Governor's Cabinet. His military career included service with the American Expeditionary Force Engineers in World War I and with the Audit Division of the Office of Fiscal Director in World War II. During this latter service he attained the rank of Lieutenant Colonel.

Professor Taylor was appointed Business Manager of The Ohio State University in 1946, Vice President in 1948, and Vice President and Treasurer in 1953. In 1952, he received the University's Distinguished Service Award. He demonstrated exceptional administrative ability in a leading role in the multi-million dollar postwar building program on the Ohio State campus. Leaving the campus in 1957, he became a financial executive for the General Telephone and Electronics Corporation in New York City.

As an author and teacher, Professor Taylor was one of the leading authorities of his day in financial accounting and business controls. With the late Professor Hermann Miller, he co-authored Intermediate Accounting, C.P.A. Problems, and Solutions to C.P.A. Problems, all of which became standard textbooks. He was a C.P.A. in North Dakota and Ohio, President of the American Accounting Association in 1937, and President of the Grand Council of Beta Alpha Psi, the national accounting honorary, in 1931. He was a member of Beta Gamma Sigma and Delta Sigma Pi.

Professor Taylor will be long remembered for his outstanding achievements both as an educator and administrator at the University, in government, during military service, and in the business world. He was eminently successful in all of his many fields of endeavor and served them with complete dedication. His efforts in the role as the University's liaison representative to the General Assembly gained him the confidence and respect of Ohio's legislators. In his death, the University notes with sorrow the passing of one who made a notable and permanent contribution to his community, state and country.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Report of the Finance and Investment Committee

Mr. Patton, Chairman of the Finance and Investment Committee, presented the following resolutions concerning the development of plans for financing parking and traffic on The Ohio State University Campus and moved their adoption:

1. Financing Plan for Parking and Traffic

WHEREAS the number of motor vehicles in Ohio is rising at a rapid rate; and

WHEREAS the highway system has been markedly improved in the State of Ohio and the use of public transportation has decreased significantly in its effectiveness; and

WHEREAS the University has produced a Master Plan for the Campus which promulgates the policy of a "pedestrian campus" and which has been reviewed by faculty, staff and students and approved by the Board; and

WHEREAS on The Ohio State University campus at the present time there are approximately 14,500 vehicles registered which must share something under 6,900 parking spaces; and

WHEREAS there has been a sizable increase in motor vehicle accidents and accidents involving personal injuries; and

WHEREAS the campus population is continuing its substantial increase just recently revealed in our statistical data;

THEREFORE BE IT RESOLVED that the President and the Vice President, Business and Finance, be and hereby are authorized to proceed with the development of a financing plan for the construction of parking ramps to be located in general conformity with the Master Plan and to be in accord with the rules and procedures previously established for the financing of dormitories in the sense that such facilities shall be self liquidating, shall be part of a single open-end bond indenture agreement and shall be planned, financed and constructed under authority of Section 3345.11 R.C.; and

BE IT FURTHER RESOLVED that the program shall be presented to the Board in detail for their approval at the earliest possible date with the object of securing the best facilities possible at a reasonable expenditure per car space and at the lowest feasible cost to staff members and students; and

BE IT FURTHER RESOLVED that all parking charges, fees, licenses, permits, passes, meter collections, time parking collections, parking charges for athletic events and all other similar sources of revenue shall be pledged to the payment of bonds necessary to finance the parking program; and

XII. REPORTS (continued)

A. Report of the Finance and Investment Committee (continued)

1. Financing Plan for Parking and Traffic (continued)

BE IT FURTHER RESOLVED that such personnel as may be necessary to police, attend, maintain and safeguard such a parking program shall be paid from the revenue derived therefrom.

Mr. Ketner seconded the motion and the Board of Trustees approved it by unanimous roll call vote.

2. Employment of Squire, Sanders & Dempsey as Special Counsel

BE IT RESOLVED that the Board of Trustees of The Ohio State University hereby determines that it is necessary or appropriate in the interests of the University that the University obtain the legal services of Squire, Sanders & Dempsey in connection with the proposed issue of Parking and Traffic Revenue Bonds, and the project known as Parking and Traffic Facilities, and that the terms of employment of Squire, Sanders & Dempsey should be similar to those obtained in past bond issues and that, accordingly, the President and Vice President, Business and Finance, and each of them, are authorized to request the Attorney General of the State of Ohio to designate Squire, Sanders & Dempsey as special counsel on the terms set forth in the form of designation presented to and filed with the records of this meeting.

BE IT FURTHER RESOLVED, that the President and Vice President, Business and Finance, and each of them, are authorized to request the Attorney General of the State of Ohio to designate special counsel, in accordance with Section 109.07, Revised Code, to act as Special Project Counsel in connection with matters relating to the financing and the project and not included in services as bond counsel; that said firm shall be paid reasonable compensation for said services approved by the Attorney General on the basis of transcript of services, including copies of documents prepared, and that such services as such project counsel include negotiations and preparation of loan agreement and related papers with such legally constituted lending agency or agencies as may be subsequently approved by the Board, matters relating to construction contracts, title matters relating to the project site, approvals by state officials and advice with respect to interpretation of existing or proposed legislation necessary to permit consummation of the project or the financing thereof. It is expressly understood that the fees of said special counsel payable by the University shall be paid solely from the proceeds of the sale of parking and traffic revenue bonds.

Mr. Ketner seconded the motion and the Board of Trustees approved it by unanimous roll call vote.

April 6, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Report of the Finance and Investment Committee (continued)

3. Employment of Consultant for Parking and Traffic Facilities

BE IT RESOLVED that because of the need for an adequate parking and traffic facility for the University and for the financing of such facility through the issuance of revenue bonds or long-term loans arranged according to law, the President and the Vice President, Business and Finance, be and hereby are instructed to engage a nationally recognized consultant to examine proposed plans, recommend changes therein, certify expected earning power, provide consulting service to the University Architect, and otherwise provide assistance to assure the feasibility, practicality, operability, soundness and future adequacy of a parking and traffic program and the facilities which accompany it.

Mr. Ketner seconded the motion and the Board of Trustees approved it by unanimous roll call vote.

B. Report on Investment Portfolio

The report on the University's Investment Portfolio dated March 31, 1962 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

C. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, May 18, 1962, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX IX

SCHEDULE OF FEES EFFECTIVE AUTUMN QUARTER 1962

SCHEDULE OF FEES EFFECTIVE AUTUMN QUARTER 1962

College or School	Incidental Fee	Consolidated Laboratory Fee	Student Services	Student Facilities Fee	Resident		
					Total	Non-Resident Fee	Non-Resident Total
Agriculture and							
Home Economics	\$80	\$ 10	\$10	\$10	\$110	\$150	\$260
Arts and Sciences	80	10	10	10	110	150	260
Commerce and Administration	80	10	10	10	110	150	260
Education	80	10	10	10	110	150	260
Engineering	80	10	10	10	110	150	260
Graduate School	80	10	10	10	110	150	260
School of Nursing	80	10	10	10	110	150	260
School of Optometry	85	42	10	10	147	150	297
Dentistry	85	125	10	10	230	150	380
Dental Hygiene and Dental							
Laboratory Technology	85	52	10	10	157	150	307
Law	85	27	10	10	132	150	282
Medicine	85	125	10	10	230	150	380
Pharmacy	85	10	10	10	115	150	265
Veterinary Medicine	85	45	10	10	150	150	300

Undergraduate courses at the branch campuses - \$12.00 per credit hour; graduate courses taught off campus - \$18.00 per credit hour. (March 11, 1960)*

University School - \$70.00 per Quarter. (May 9, 1958)*

Remedial English or Mathematics Course - \$15.00 per course. (June 5, 1959)*

Application Fee - \$5.00 - non-returnable fee assessed all applicants at the time of filing of application for admission to the University. (May 9, 1958)*

Orientation Fee - \$5.00 - non-returnable fee assessed for new and transfer undergraduate students and paid at the time of registration for the required pre-college counseling and testing conferences. (May 9, 1958)*

SCHEDULE OF FEES EFFECTIVE AUTUMN QUARTER 1962 (continued)

Matriculation Fee - \$15.00 - non-returnable fee assessed after a student has been admitted to the University and has filed his schedule for the first Quarter of enrollment in the University. (April 6, 1934)*

Part-time students (six credit hours or less) registration shall be one-half the fees paid by full-time students. Students enrolling for more than six hours shall be assessed full fees. (May 9, 1958)*

One term of Summer Quarter in the Colleges of Agriculture and Home Economics, Arts and Sciences, Commerce and Administration, Education, Engineering, Graduate School and School of Nursing shall be one-half of the fees paid by full-time students. (May 9, 1958)*

Penalty for late payment of fees - \$5.00 for the first day and \$1.00 for each succeeding day or fraction thereof, unless excused by the Office of the Registrar with a maximum of \$10.00 per Quarter. (February 6, 1959)*

Penalty for late filing of schedule cards - \$5.00 for the first day and \$1.00 for each succeeding day of delay, with a maximum penalty of \$10.00. (February 6, 1959)*

Penalty for payment with bad checks - \$5.00 for the first day and \$1.00 for each succeeding day, with a maximum of \$10.00. (July 8, 1960)*

*Date of approval by the Board of Trustees.

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SEVENTIETH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 18, 1962

The Board of Trustees met at its regular monthly meeting on Friday, May 18, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John W. Bricker, Chairman, Forrest G. Ketner, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis and Stanley C. Allyn.

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The minutes of the last meeting were approved.

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May 18, 1962 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Modification of Campus Master Plan

The Board of Trustees at its meeting on February 16, 1962 adopted a master plan for the future development of the campus by approving the "Report of the President on the 'Campus Master Plan Study--Phase II. '" In Paragraph 1 of Section B of that report, it was indicated that the American Chemical Society was contemplating the purchase of property west of the Olentangy River for its Chemical Abstracts service, and that in event of such change of location the campus master plan would have to be modified.

The American Chemical Society has purchased the site west of the river, and it is now recommended that the campus master plan be modified as follows:

1. Change Area A on the attached map to "residence hall" use.
2. Change Area B on the attached map to "physical education and residence hall recreation" use.
3. Change Area C on the attached map to "related agencies" use.
4. Change Area D on the attached map to "related agencies" use.

It is further recommended that a copy of the above changes and the attached map be filed by the Secretary with the "Campus Master Planning Study--Phase II" report submitted on December 12, 1961.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendations were unanimously approved by roll call vote.

B. Urban Renewal Studies

The Board of Trustees on April 14, 1961 approved a set of maps and accompanying text as a development plan to be used in connection with an urban renewal project or projects in the campus area. These documents have now been revised to conform to the campus master plan which was approved by the Board of Trustees on February 16, 1962. It is therefore recommended that the approval of certain maps and text on April 14, 1961 be rescinded, that the new maps and text be approved, that the new maps and text be furnished to the City of Columbus for use in the development and prosecution of an urban renewal project or projects in the campus area, and that the Secretary be instructed to file the maps and text with the official records of the Board of Trustees.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendations were unanimously approved by roll call vote.

May 18, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Degrees and Certificates Conferred - Spring Quarter Commencement

It is recommended that degrees and certificates as approved by the Faculty Council be conferred at the Spring Quarter Convocation on June 8, 1962 to those students who have completed their requirements for graduation on that date. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix XI, page 529.)

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. Nomination for Honorary Degree - General Curtis E. LeMay

On April 10, 1962, the Faculty Council recommended that the honorary degree, Doctor of Science, be awarded to General Curtis E. LeMay at the June 8, 1962 Commencement.

It is therefore recommended that the Board of Trustees approve the Faculty Council's recommendation and that the degree indicated be conferred at the June 1962 Commencement.

Upon motion of Mr. Rairdon, seconded by Mr. Ketner, the above recommendation was unanimously approved by roll call vote.

E. Modification of Policy for Allotment of Football Tickets

At its January 12, 1959 meeting, the Board of Trustees directed the Athletic Council to make an annual review of the allotment of football season books. As a result of this year's review, the Athletic Council on April 27, 1962 approved the proposal that any additional seats created in the Ohio Stadium in excess of the 79,658 capacity specified in the January 12, 1959 action of the Board of Trustees may be sold as season books. This proposal will increase the maximum number of season books that may be sold and therefore will allow the Athletic Department to accommodate an increased number of students, faculty and alumni. Further, it will maintain the priority system now in effect and will not reduce the number of individual game seats available within the confines of the concrete area of the Stadium for each of the priority groups.

It is recommended that the above proposal of the Athletic Council be approved.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the April 6, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Leaves of Absence With Salary, Leaves of Absence Without Salary and Emeritus Titles:

May 18, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Charles A. Haas, Professor (District Supervisor), June 16, 1962 through July 31, 1962, to study at George Washington University.

George E. Share, Instructor (County Extension Agent, Agriculture) Guernsey County, June 16, 1962 through July 31, 1962, to study at George Washington University.

B. Leaves of Absence Without Salary

William Charvat, Professor, English, October 1, 1962 through September 30, 1963, to teach in Madrid under the auspices of the U. S. Department of State and Harvard University.

Carl H. Fulda, Professor, College of Law, October 1, 1962 through December 31, 1962, to teach at Louisiana State University Law School.

Lit Sien Han, Professor, Mechanical Engineering, October 1, 1962 through September 30, 1963, to participate in a National Science Project as Senior Scientist - Post Doctoral study.

Kenneth L. Karst, Professor, College of Law, October 1, 1962 through September 30, 1963, to study in Latin American countries under a Ford Foundation Grant, 1962-1963.

Erwin Kreyszig, Professor, Mathematics, October 1, 1962 through September 30, 1963, to work in Europe.

Claude M. Simpson, Professor, English, October 1, 1962 through September 30, 1963, to teach at Stanford University.

Elena M. Sliepcevich, Professor, Physical Education for Women, October 1, 1962 through September 30, 1963, to direct a National Research Project in School Health Education for the NEA-AAHPER.

David Spitz, Professor, Political Science, April 1, 1963 through June 30, 1963, to accept a Fulbright assignment to go to Italy.

Richard H. Zimmerman, Professor, Mechanical Engineering, October 1, 1962 through September 30, 1963, to serve on India-Kanpur Project.

Louis Nemzer, Associate Professor, Political Science, October 1, 1962 through September 30, 1963, to teach at the University of California, Berkeley.

May 18, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Leaves of Absence Without Salary (continued)

Philip P. Poirier, Associate Professor, History, January 1, 1963 through June 30, 1963, to engage in research.

James B. Christoph, Assistant Professor, Political Science, January 1, 1963 through June 30, 1963, to accept a Social Science Research Council Grant.

John J. TePaske, Assistant Professor, History, April 1, 1963 through June 30, 1963, to engage in research.

Richard M. Campbell, Instructor, Electrical Engineering, October 1, 1962 through September 30, 1963, to work at the RCA Laboratory.

Rosamond England, Instructor, English, October 1, 1962 through September 30, 1963, to accept a Fulbright Lectureship in Thailand.

John C. Gray, Instructor, Accounting, October 1, 1962 through September 30, 1963, to study under the Arthur Andersen & Co. Doctoral Dissertation Fellowship, 1962-1963.

James G. Root, Instructor, Industrial Engineering, October 1, 1962 through September 30, 1963, to devote full time to doctoral program.

C. Emeritus Titles

Israel P. Blauser, Agricultural Extension Service, with the title Professor (Extension Agricultural Engineering) Emeritus, effective July 1, 1962.

Samuel R. Beitler, Mechanical Engineering, with the title Professor Emeritus, effective July 1, 1962.

Clifford R. Cutright, Zoology and Entomology, with the title Professor Emeritus, effective July 1, 1962.

Dwight M. DeLong, Zoology and Entomology, with the title Professor Emeritus, effective July 1, 1962.

Don L. Demorest, Romance Languages, with the title Professor Emeritus, effective October 1, 1962.

George W. Eckelberry, Accounting, with the title Professor Emeritus, effective July 1, 1962.

Erwin F. Frey, School of Fine and Applied Arts, with the title Professor Emeritus, effective July 1, 1962.

Esther A. Gilman, Women's Physical Education, with the title Professor Emeritus, effective July 1, 1962.

May 18, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Emeritus Titles (continued)

Ernest R. Godfrey, Athletics, with the title Professor Emeritus, effective July 1, 1962.

Alma Herbst, Economics, with the title Professor Emeritus, effective July 1, 1962.

Josef N. Knull, Zoology and Entomology, with the title Professor Emeritus, effective July 1, 1962.

Carl A. Lamey, Geology, with the title Professor Emeritus, effective October 1, 1962.

Richard C. Miller, Agricultural Engineering, with the title Professor Emeritus, effective July 1, 1962.

George N. Moffat, Mechanical Engineering, with the title Professor Emeritus, effective July 1, 1962.

Samuel Renshaw, Psychology, with the title Professor Emeritus, effective October 1, 1962.

Norman F. Woelfel, Bureau of Educational Research and Service, with the title Professor Emeritus, effective June 1, 1962.

Elbert O. Bolender, Agricultural Education, with the title Associate Professor Emeritus, effective July 1, 1962.

Samuel D. Edelman, Pediatrics, with the title Associate Professor Emeritus, effective July 1, 1962.

Margaret E. Jones, Mathematics, with the title Associate Professor Emeritus, effective July 1, 1962.

Neal A. Harper, College of Dentistry, with the title Assistant Professor Emeritus, effective October 1, 1962.

Elizabeth M. Moore, School of Home Economics, with the title Assistant Professor Emeritus, effective October 1, 1962.

Louis E. Reif, College of Dentistry, with the title Assistant Professor Emeritus, effective July 1, 1962.

G. Harold Chambers, Agricultural Extension Service, with the title Instructor (County Extension Agent, Agriculture) Emeritus, effective July 1, 1962.

May 18, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Emeritus Titles (continued)

Robert W. Lang, Agricultural Extension Service, with the title Instructor (County Extension Agent, Agriculture) Emeritus, effective August 1, 1962.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting:

1. Government Contracts - Federal

- a. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Specific Heat Determinations of Pure, Solid Para Deuterium (to be known as U. S. Atomic Energy Commission Project No. 761 - Sup. #6 - Department of Chemistry).
Gross Value - \$40,665.00.
- b. Office of Naval Research, Washington 25, D. C., for an Investigation of X-ray Spectroscopy (to be known as Office of Naval Research Project No. 809 - Amend. #8 - Department of Physics and Astronomy).
Gross Value - \$9,551.00.
- c. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Temperature Measurement of Solid Particles Within a Fluidized System (to be known as U. S. Atomic Energy Commission Project No. 929 - Sup. #1 - Department of Chemical Engineering).
Gross Value - \$10,500.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- d. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of High-Resolution Infrared Spectra of Tritium and Deuterium Substituted Molecules (to be known as U. S. Atomic Energy Commission Project No. 1098 - Sup. #2 - Department of Physics and Astronomy).
Gross Value - \$26,370.00.
- e. Headquarters, Rome Air Development Center, AFSC, Griffiss Air Force Base, New York, for an Investigation of Absorption of Electromagnetic Energy by Nose Cones (work program and reports are classified) (to be known as Rome Air Development Center Project No. 1107 - Mod. #3 - Department of Electrical Engineering).
Gross Value - \$65,979.00.
- f. Department of Health, Education and Welfare, Public Health Service, Washington 25, D. C., To Train Cytotechnologists (to be known as Department of HE&W, Public Health Service Project No. 1154 - Ext. #2 - Department of Pathology).
Gross Value - \$26,657.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis of Polynuclear Aromatic Compounds (to be known as National Institutes of Health Project No. 1229 - Ext. #1 - Department of Chemistry).
Gross Value - \$25,990.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Factors Determining Cardiac Output in Man (to be known as National Institutes of Health Project No. 1254 - Ext. #1 - Department of Medicine).
Gross Value - \$16,269.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Characterization of Milk Lipases (to be known as National Institutes of Health Project No. 1263 - Ext. #1 - Department of Dairy Technology).
Gross Value - \$4,427.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Milk Protein Changes at Elevated Temperatures (to be known as National Institutes of Health Project No. 1264 - Ext. #1 - Department of Dairy Technology and Department of Chemistry).
Gross Value - \$15,734.00.
- k. Cornell Aeronautical Laboratory, Inc., Cornell University, P. O. Box 235, Buffalo 21, New York, for an Investigation of Hypersonic Wind Tunnel Diffusers (to be known as Cornell Aeronautical Laboratory, Inc. Project No. 1268 - Amend. #3 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$1,500.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Etiology of Congenital Dislocation of the Hip (to be known as National Institutes of Health Project No. 1270 - Ext. #1 - Department of Surgery).
Gross Value - \$15,000.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Modified "Runt" Disease in the Chick Embryo (to be known as National Institutes of Health Project No. 1273 - Ext. #1 - Department of Pathology).
Gross Value - \$6,511.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Endocrine Studies of the Anovulatory Ovary (to be known as National Institutes of Health Project No. 1274 - Ext. #1 - Department of Medicine).
Gross Value - \$23,555.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Spontaneous and Experimental Endometrial Carcinoma (to be known as National Institutes of Health Project No. 1281 - Ext. #1 - Department of Pathology).
Gross Value - \$17,342.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for The Professionalization of Dental Students (to be known as National Institutes of Health Project No. 1283 - Ext. #1 - Department of Sociology and Anthropology).
Gross Value - \$14,584.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- q. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of New Semiconductor Phenomenon (to be known as Aeronautical Systems Division Project No. 1287 - Sup. #3 - Department of Electrical Engineering). Gross Value - \$20,000.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of Passenger Health Problems in Jet Air Travel (to be known as National Institutes of Health Project No. 1357 - Sup. #1 - Department of Preventive Medicine). Gross Value - \$4,140.00.
- s. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for an Investigation of Application of Electro-magnetic Absorbing Materials as Interference Reduction Techniques (contract document unclassified; however, performance may involve classified information and equipment) (to be known as Rome Air Development Center Project No. 1423 - Mod. #1 - Department of Electrical Engineering). Gross Value - \$28,713.00.
- t. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Slope Movement and Micro-Environment at Cape Thompson, Alaska (to be known as U. S. Atomic Energy Commission Project No. 1431 - New - Institute of Polar Studies). Gross Value - \$11,656.00.
- u. Headquarters, 1360th Air Base Group, Air Photographic and Charting Service (MATS), USAF, Orlando Air Force Base, Florida, for Photo Mapping Analysis (to be known as Air Photographic and Charting Service (MATS) Project No. 1432 - New - Department of Geodetic Science). Gross Value - \$4,867.00.
- v. National Science Foundation, Washington 25, D. C., for Investigation of Mechanism of Heterogeneous Reactions Photosensitized at the Surface of Solids (to be known as National Science Foundation Project No. 1434 - New - Department of Chemistry). Gross Value - \$44,900.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tissue Culture of Endocrine Glands (to be known as National Institutes of Health Project No. 1435 - New - Department of Pediatrics Children's Hospital). Gross Value - \$2,300.00.

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III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- x. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for Construction of Educational Theory Models (to be known as Office of Education Project No. 1436 - New - Bureau of Educational Research and Service).
Gross Value - \$49,721.00.
- y. Commanding Officer, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 1685-M - Measure Theoretical Foundations of Surface Area Theory (to be known as U. S. Army Research Office Project No. 1437 - New - Department of Mathematics).
Gross Value - \$21,954.00.
- z. Commanding Officer, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, 3155-P - Emission and Absorption Studies in the Infrared (1-40 Microns) (to be known as U. S. Army Research Office Project No. 1438 - New - Department of Physics and Astronomy).
Gross Value - \$46,000.00.
- aa. National Science Foundation, Washington 25, D. C., for an Investigation of Molecular Spectroscopy and Infrared Studies (to be known as National Science Foundation Project No. 1439 - New - Department of Physics and Astronomy).
Gross Value - \$57,600.00.
- bb. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research of Eutectoid Reactions in Metal Alloys (to be known as Aeronautical Systems Division Project No. 1440 - New - Department of Metallurgical Engineering).
Gross Value - \$31,872.00.
- cc. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Cardiac and Renal Dynamics (to be known as National Institutes of Health Project No. 1441 - New - Department of Veterinary Physiology and Pharmacology).
Gross Value - \$21,940.00.
- dd. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of the Sulfide-to-Sulfate Reaction Mechanism (to be known as National Institutes of Health Project No. 1442 - New - Engineering Experiment Station).
Gross Value - \$18,618.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- ee. National Science Foundation, Washington 25, D. C., for an Investigation of Mechanisms of Aromatic Rearrangements (to be known as National Science Foundation Project No. 1443 - New - Department of Chemistry).
Gross Value - \$56,500.00.
- ff. National Science Foundation, Washington 25, D. C., for an Investigation of Ice Surface Movements on the Rockefeller Plateau (to be known as National Science Foundation Project No. 1444 - New - Institute of Polar Studies and Department of Geodetic Science).
Gross Value - \$34,700.00.
- gg. National Science Foundation, Washington 25, D. C., for an Investigation of Traverse Glaciology (1962-1963) (to be known as National Science Foundation Project No. 1445 - New - Institute of Polar Studies).
Gross Value - \$20,500.00.
- hh. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Study of Oscillatory Blood Flow (to be known as National Institutes of Health Project No. 1447 - New - Department of Physiology).
Gross Value - \$13,000.00.
- ii. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Drug Induced Circulatory Changes in Hyperthyroidism (to be known as National Institutes of Health Project No. 1449 - New - Department of Medicine).
Gross Value - \$15,107.00.
- jj. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Variability in Driving Performance on the Highway (to be known as National Institutes of Health Project No. 1450 - New - Department of Industrial Engineering).
Gross Value - \$36,754.00.
- kk. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Distribution and Metabolism of Labeled Digitaloids (to be known as National Institutes of Health Project No. 1451 - New - Department of Physiological Chemistry).
Gross Value - \$28,389.00.

TOTAL - Government Contracts - Federal \$889,865.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a. Firestone Tire and Rubber Company, Akron 17, Ohio, for an Investigation of Health Hazards of Certain Compounds and Products (to be known as Firestone Tire and Rubber Company Project No. 246 - Letter 3/23/62 and Ext. #16 - Department of Pathology).
Gross Value - \$37,776.00.
- b. The Procter and Gamble Company, MA&R Building, Ivorydale, Cincinnati 17, Ohio, for an Investigation of Pathogenesis of Dental Caries (to be known as Procter and Gamble Project No. 323 - Ext. #19 - College of Dentistry).
Gross Value - \$5,256.00.
- c. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #31 - Department of Electrical Engineering).
Gross Value - \$800.00.
- d. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for Development of Prosthetic Valves for the Human Heart (to be known as American Heart Association Project No. 1157 - 3rd Year - Department of Surgery).
Gross Value - \$5,500.00.
- e. Life Insurance Medical Research Fund, 345 East 46th Street, New York 17, New York, for an Investigation of Factors Influencing Cardiac Output in Man (to be known as Life Insurance Medical Research Fund Project No. 1324 - Department of Medicine).
Gross Value - \$22,000.00.
- f. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for an Investigation of Ventricular Function in Congestive Heart Failure (to be known as American Heart Association Project No. 1328 - 2nd Year - Department of Medicine).
Gross Value - \$6,435.00.
- g. Health Research, Inc., Roswell Park Division, 666 Elm Street, Buffalo 3, New York, for a Lung Cancer Study (to be known as Health Research, Inc., Roswell Park Division Project No. 1358 - Ltr. of 3/28/62 - Department of Surgery).
Gross Value - \$1,000.00.

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III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- h. Chas. Pfizer & Co., Inc., 235 East 42nd Street, New York 17, New York, for an Investigation of Effects of Terramycin on the Tracheobronchial Tree in Patients with Pulmonary Tuberculosis (to be known as Chas. Pfizer & Co. Project No. 1405 - Ltr. of 3/26/62 - Department of Surgery).
Gross Value - \$2,400.00.
- i. National Cultural Center, 718 Jackson Place, N. W., Washington 6, D. C., for A Study of the Role and Function of the New Educational Media in the Permanent Program of the National Cultural Center, with Special Reference to Potential Services for Schools and Institutions of Higher Education (to be known as National Cultural Center Project No. 1426 - New - Telecommunication Center).
Gross Value - \$27,969.00.

TOTAL - Industrial and Other Contracts \$109,136.00

The foregoing forty-six contracts for research in cooperation with Government, Industry and Other represent a gross income of \$999,001.00.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved by roll call vote.

B. The Report of the Research Contract
from the Engineering Experiment Station

During the period from March 24, 1962 through April 30, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contract. This research contract is reported to the Board of Trustees for information and record.

1. Government Research Contract

EES 212 A Study of Highway Lighting, Ohio Department of Highways, Columbus, Ohio.
Gross Value - \$43,050.00.

C. Authorization to Sign Memorandum of Agreements
for Farm Science Demonstration Program

The Dean of the College of Agriculture and Home Economics has proposed that an improved type of adult education program be developed to replace the Corn and Soybean Field Days as well as certain aspects of the machinery exhibit previously held in connection with Farm and Home Week. This proposed activity would enable the College of Agriculture and Home Economics, the Cooperative Extension Service and the Ohio Agricultural Experiment

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Authorization to Sign Memorandum of Agreements for Farm Science Demonstration Program (continued)

Station to carry out a more effective educational program in the area of field crop production with special emphasis on the efficient use of harvesting machinery and automation of the farming enterprise. The Dean has further proposed that the Ohio Expositions Commission and other appropriate business, industrial and state agencies be invited to assist in the development of plans for this educational program in order that unnecessary duplication of effort might be avoided.

It is therefore recommended that the President be authorized to sign on behalf of The Ohio State University memorandum of agreements with selected agencies that might assist with the planning and financing of this educational program which will bring new dimensions and wide appeal to the farming and agricultural business interests in Ohio. This recommendation is presented with the understanding that the funds for this proposed activity are available in the current operating budget of the College of Agriculture and Home Economics or will be obtained from off-campus agencies.

Upon motion of Mr. Ketner, seconded by Mr. Rairdon, the above recommendation was approved by unanimous roll call vote.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$146,175.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for support of "Graduate Training Grant - Arthritis and Metabolic Diseases," under the direction of Dr. George J. Hamwi, Department of Medicine, for the period July 1, 1962 through June 30, 1967. (Grant 2A-5118-C5)
2. \$42,889.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Clinical Psychology," under the direction of Dr. Julian B. Rotter, Department of Psychology, for the period July 1, 1962 through June 30, 1963. (Grant 2M-5061-C15)
3. \$30,912.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Research Training - Social Sciences," (graduate training in medical sociology) under the direction of Dr. Raymond F. Sletto and Dr. Saad Z. Nagi, Department of Sociology and Anthropology, for the period July 1, 1962 through June 30, 1963. (Grant 2M-7853)

May 18, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

4. \$29,379.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Psychiatric Social Work," under the direction of Miriam E. Prince, School of Social Work, for the period July 1, 1962 through June 30, 1963. (Grant 2M-6530-C5)
5. \$24,990.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Roy F. Reeves, Department of Mathematics, to terminate on or about April 30, 1964. (Grant NSF-G23525)
6. \$24,770.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Alfred B. Garrett, Department of Chemistry, to terminate on or about April 30, 1964. (Grant NSF-G23211)
7. \$18,645.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for an "Ophthalmology Training Grant," under the direction of Dr. William H. Havener, Department of Ophthalmology, for the period July 1, 1962 through June 30, 1963. (Grant 2B-5136-C2)
8. \$17,700.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Physiological Psychology," under the direction of Dr. Donald R. Meyer, Department of Psychology, for the period July 1, 1962 through June 30, 1963. (Grant 2M-6748-C4)
9. \$13,154.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Psychiatric Nursing," under the direction of Florence M. Harvey, School of Nursing, for the period July 1, 1962 through June 30, 1963. (Grant 2M-6150-C8)
10. \$1,296.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Social Work - Student Research Stipends," under the direction of Merriss Cornell, School of Social Work, for the period July 1, 1962 through June 30, 1963. (Grant 2M-7507-C1)

TOTAL - Through the Office of Business and Finance \$349,910.00

May 18, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Administered Through the Development Fund

1. \$85,000.00 from the Estate of Helen L. Baxter for the LeCrone-Baxter Memorial Fund.

The Board of Trustees approved the establishment of the LeCrone-Baxter Memorial Fund at its meeting January 12, 1962, at which time \$50,000.00 was received as the initial gift to be deposited in the University Investment Portfolio.

2. \$45,855.00 from the National Fund for Medical Education for support of the instructional budget of the College of Medicine. (Rotary 31009)
3. \$1,000.00 from the Erie County Cancer Society for support of research in the Department of Obstetrics and Gynecology. (Rotary 31431)

TOTAL - Through the Development Fund \$131,855.00

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In March, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	278	\$ 8,611.55
Individuals, Other Than Alumni	47	2,752.25
Non-Profit Organizations	19	52,774.54
Business Concerns	22	19,347.50
	<u>366</u>	<u>\$83,485.84</u>

Of these gifts, 178 totaling \$1,481.00 were undesignated and 188 totaling \$82,004.84 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Construction of Office and Research Space on East Side of Stadium

By Board action of October 6, 1961, \$88,000.00 was appropriated from University Treasurer Subaccount (b) Building Remodeling and Expansion for construction of office and research space on the east side of the Stadium. Bids received on April 10, 1962 were such that it would be desirable to accept the alternates which would add approximately 3,350 square feet of space at a very favorable cost. It is recommended that an additional

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. Construction of Office and Research Space on East Side of Stadium (continued)

\$18,000.00 be appropriated from University Treasurer Subaccount (b) Building Remodeling and Expansion so that Phase I of this project can be completed at this time.

The campus master plan provides that the space under the east side of the Stadium be used for ROTC. However, the extent and nature of the future ROTC programs are still in considerable doubt. Once these doubts have been resolved, an alternate location for ROTC will be selected, and the campus master plan amended accordingly.

Upon motion of Mr. Ketner, seconded by Mr. Loop, the recommendation for an additional appropriation of \$18,000.00 from University Treasurer Subaccount (b) Building Remodeling and Expansion was unanimously approved by roll call vote.

B. Midwest Program Airborne Television Instruction

The Ohio State University has received an invitation to become a charter member of the Midwest Program Airborne Television Instruction (MPATI). During the past two years The Ohio State University has served as a resource center and has been invited to continue in this role. Membership as a charter member would give the University a voice in the permanent organization of MPATI which will be closely related to our own development on the campus and in central Ohio. The University Advisory Committee for MPATI has recommended charter membership for The Ohio State University.

Upon the request of the Executive Dean of Special Services and with the concurrence of the Cabinet, it is recommended that the President be authorized to take the necessary action to become a charter member of the MPATI and that an amount of \$400.00 be appropriated from Account No. 12953 for the payment of the annual dues for the fiscal year 1962-1963.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

C. Ohio Journal of Science

Upon the request of the Joint Administrative Board of the Ohio Journal of Science and with the concurrence of the Vice President, Instruction and Research, it is recommended that \$3,000.00 be appropriated from Account No. 12953 for the use of the Ohio Journal of Science for the period from July 1, 1962 through June 30, 1963.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

D. Appropriation to Provide Funds for Extra Orders on Capital Improvement Projects

The Capital Improvements Bill No. 592 for the Biennium 1961-1963 provided no funds for extra orders to complete buildings under construction. All emergencies cannot be determined at the time the construction plans and specifications are drawn and it is necessary to issue extra orders to cover such requirements.

It is therefore recommended that the Board allocate the sum of \$30,000.00 from Subaccount (f) in the University Treasurer Research Account to provide a fund which may be used for extra orders and architect's fees on projects under construction.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

E. Stadium Scholarship Dormitories

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$5,000.00 be appropriated from the Student Facilities Fee Account for the purpose of repairing the shower room on the Third Floor of the Stadium Scholarship Dormitories.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

F. Appropriation of Funds for Matching National Science Foundation Grant for Instructional Equipment--Department of Chemistry

At the request of the Vice President, Instruction and Research, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$25,000.00 be appropriated from the University Treasurer Research Subaccount (f) to provide funds for matching the grant from the National Science Foundation for "Undergraduate Instructional Scientific Equipment Program" in the Department of Chemistry.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

G. Appropriation of Funds for Matching National Science Foundation Grant for Instructional Equipment--Department of Mathematics

At the request of the Vice President, Instruction and Research, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$29,000.00 be appropriated from the University Treasurer Research Subaccount (f) to provide funds for matching the grant from the National Science Foundation for "Undergraduate Instructional Scientific Equipment Program" in the Department of Mathematics.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA AND CREDIT ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra and Credit Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Dining Facility - Men's Housing #1 and 2 (Royer Commons)

1. In order to provide an auxiliary source of heat in emergencies, it is recommended that the following extra orders be approved:
 - a. General Contract. Provide additional trenches in Boiler Room to accommodate new piping from oil tanks to two boilers which are to be converted from gas fired to combination gas-oil fired boilers. Add \$216.00.
 - b. Heating, Ventilating and Air Conditioning Contract. In lieu of gas burners for two of the five boilers, provide two combination gas-oil burners, complete with oil tank, piping and controls. Add \$4,625.00.

<u>Total addition</u>	<u>\$ 4,841.00</u>
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2. In order to provide a central maintenance shop and storage space for the various maintenance crews for the dining facilities and housing facilities in the north group, it is recommended that the following extra orders be approved:
 - a. General Contract. Revise the south basement to convert a "crawl space" into a maintenance area including a new concrete floor, new area-ways, windows, metal exit stairs, new and revised partitions, doors, hardware, toilet partitions and painting. Add \$4,985.00.
 - b. Electrical Contract. Provide all additional and revised electrical work to include new lighting fixtures, switches, convenience outlets, wiring and control for exhaust fan, and conduit and wiring. Add \$4,984.00.
 - c. Heating, Ventilating and Air Conditioning Contract. Omit 8' of fin tube radiation and connections in Room S-10A at a credit of \$139.00; extend duct work for exhaust registers in Rooms S-1C and S-1B and omit one 12" x 12" grille at an extra cost of \$51.00; provide one exhaust fan with discharge duct, canvas connection, louver damper and screen guard at an extra cost of \$1,331.00; and provide 5' of fin tube radiation in maintenance area for each of future rooms S-14, S-18, and

May 18, 1962 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

A. Dining Facility - Men's Housing #1 and 2 (Royer Commons) (continued)

2. (continued)

S-22 and 10' for future room S-10 with connections, valves and drainage tees at an extra cost of \$317.00.
Total extra cost, \$1,560.00.

- d. Plumbing Contract. Provide additional and revised Plumbing including additional and revised soil, waste, vent and water piping, roughing in for a new floor drain, one new water closet and one new lavatory. Extra cost, \$1,929.00.

Total addition \$13,458.00

3. General Contract

It is recommended that the following changes be made:

- a. Provide one cornerstone approximately 16" x 32" in accordance with the request of the Department of Public Works. Add \$68.00.
- b. Reduce size of construction sign. Deduct \$25.00.
- c. Provide additional structural steel, concrete, forms and reinforcing steel needed to change dining rooms from single to double halls. Add \$212.00.

Total addition \$ 255.00

4. Electrical Contract

It is recommended that a 6" x 42" x 42" surface telephone cabinet at the southwest corner of the basement be furnished and installed in lieu of pull box; extend a 2" conduit to telephone cabinet on south wall of the boiler room; and extend the 3/4" ground from the new cabinet to the nearest water piping.

Add \$ 330.00

Funds will be provided for these extra orders from the Dormitory Construction Fund.

May 18, 1962 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

B. Veterinary Clinic Building, Remodel Room 16

Heating and Ventilating Contract

It is recommended that changes and additions be made to the heating system including an electric heater in the x-ray room with necessary wiring, lowering existing radiation, installing a new 9' section of the 2-row fin radiation in the large south room, reinstalling an existing radiator in the dark room and providing additional isolation and drain valves.

Add

\$ 777.00

Funds will be provided from Account 702, H. B. 390.

C. Laboratory of Aviation Psychology Remodeling

Heating and Air-Conditioning Contract

It is recommended that the following changes be made:

1. Provide two new units of heating coils with necessary piping, valves, controls and other features. Add \$2,848.00.
2. Provide one humidity and temperature recorder in Room 201B complete with rock wool insulation, 12" circular dull black case and two pens for 24-hour electrical operation. Add \$410.00.

Total addition

\$ 3,258.00

Funds will be provided from Account 711, H. B. 390.

D. Men's Housing No. 1 and 2 (Barrett and Halloran Houses)

Plumbing Contract

It is recommended that the following changes be made:

1. Revise and reroute sanitary drainage to higher elevations in basements of Buildings No. 1 and 2. No change in price.
2. Add one floor drain and piping in east ground floor entrance of Building No. 2. Add \$110.00.
3. Add two frost proof hose bibbs on Building No. 2 with piping and valves. Add \$209.00.

May 18, 1962 meeting, Board of Trustees

VI. EXTRA AND CREDIT ORDERS TO CONTRACTS (continued)

D. Men's Housing No. 1 and 2 (Barrett and Halloran Houses) (continued)

Plumbing Contract (continued)

4. Relocate vacuum cleaner piping from ground floor elevator lobbies in Buildings No. 1 and 2. Add \$145.00.
 5. Change master water meter from compound type to detector type, enlarge meter pit and omit test tee. Add \$120.00.
 6. Enlarge drain inlets and change from concrete to brick, and add trap in northwest catch basin. No change in price.
 7. In lieu of omitting insulation on all hot water piping as provided under Alt. P-5 which was accepted, furnish and install insulation on hot water piping as required under the base bid. Add \$2,695.00.
 8. In lieu of floor drain in elevator pit, provide sump with grate and submersible sump pump; because of higher elevation of sanitary drainage (Item 1), raise drain line to main sump, decrease depth of sump basin from 8' to 5' and change sump pump from 1 H.P. to 1/2 H.P.; and omit 6" water line and tap east of Building No. 2 and relocate fire hydrant. Deduct \$739.00.
- | | |
|-----------------------|-------------------|
| <u>Total addition</u> | <u>\$2,540.00</u> |
|-----------------------|-------------------|

General Contract

It is recommended that in lieu of marble shower stalls, shower stalls with marble on the open side and 4" x 4" ceramic glazed tile be provided except in Rooms 101A, 201A and 301A of Building #2 and Rooms 28A, 128A, 228A and 328A of Building #1. In these rooms marble shall be used on the open side and the free standing side and ceramic glazed tile on the other two sides.

<u>Deduct</u>	<u>\$9,025.00</u>
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Funds for the extra order will be provided from the Dormitory Construction Fund.

Upon motion of Mr. Davis, seconded by Mr. Ketner, the above recommendations individually and collectively were approved by unanimous roll call vote.

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May 18, 1962 meeting, Board of Trustees

VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repairs in Hughes Hall, Room 8

Funds will be provided from Account 19613, H. B. 390 and the School of Music Equipment Account.

B. Student Housing, Building No. 3 (Blackburn House)

Funds for this project will be provided from the Dormitory Construction Fund.

C. Repairs in Derby Hall South Basement - Bookstore Area

Funds will be provided from the Bookstore Rotary for this project.

These projects are in conformity with the campus master plan.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with the advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Ohio Union - South Terrace Remodeling

Bids were received on March 23, 1962 for this project and all were rejected except the low bid on the Heating and Air Conditioning Division, the estimates of cost were revised for the other three divisions, readvertised, and bids received on April 9, 1962. Accordingly, the award of contracts has been recommended to the lowest and best bidders as follows:

May 18, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Ohio Union - South Terrace Remodeling (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received on April 9)		
Altman-Coady Co. (Columbus)	\$118,988.00	\$124,000.00
<u>Heating and Air Conditioning Contract</u>		
(5 bids received on March 23)		
The Kuempel Co. (Columbus)		
Base bid	\$ 22,435.00	\$ 24,000.00
Alt. H-1 Filters	730.00	800.00
Alt. H-2 Booster Pump	195.00	400.00
Alt. H-3 Automatic Control Valves	250.00	400.00
Alt. H-4 Cooling Tower Inlet Duct	1,000.00	300.00
Alt. H-5 Heater at East Entrance	500.00	500.00
Total	\$ 25,110.00	\$ 26,400.00
<u>Plumbing Contract</u>		
(4 bids received on April 9)		
J. F. Oelgoetz Co. (Columbus)	\$ 4,450.00	\$ 6,250.00
<u>Electrical Contract</u>		
(5 bids received on April 9)		
Pence Electric Co. (Columbus)	\$ 14,587.00	\$ 16,000.00
Total all contracts	\$163,135.00	\$172,650.00

Funds for this project will be provided from funds transferred from Student Facilities Fee Account to Account 701, H. B. 390.

B. Research Space - East Side of Stadium

Bids were received on April 10, 1962 and the award of contracts recommended to the low bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(9 bids received)		
Leopold Construction Co. (Columbus)		
Base bid	\$75,950.00	\$75,200.00
Alt. G-1 South Half, West of Ramps	8,500.00	7,560.00
Alt. G-2 North Half, West of Ramps	8,500.00	6,440.00
Total	\$92,950.00	\$89,200.00
<u>Plumbing Contract</u>		
(2 bids received)		
Grif M. Lewis, Inc. (Columbus)	\$ 2,624.00	\$ 2,500.00

May 18, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Research Space - East Side of Stadium (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (2 bids received)		
Jess Howard Electric Co. (Columbus)	\$ 732.00	\$ 1,500.00
<u>Total all contracts</u>	<u>\$96,306.00</u>	<u>\$93,200.00</u>

Funds will be provided from Account 714, H. B. 390.

C. Student Housing, Buildings No. 4, 5 and 6, The Ohio State University (Haverfield House, Norton House and Scott House)

WHEREAS The Ohio State University, pursuant to an advertisement for bids on the construction of the proposed Student Housing, Buildings No. 4, 5 and 6 heretofore published on the 3rd day of April, the 10th day of April, the 17th day of April and the 24th day of April, 1962, did on the 4th day of May, 1962, at the Office of the Ohio Director of Public Works in Columbus, Ohio, receive bids for the construction of student housing, said bids having been taken under advisement by the Director of Public Works and the Vice President, Business and Finance, of the University; and

WHEREAS the base bid of Baker and Coombs, Inc. for general work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of McCarty Brothers Electric Company for electrical work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Tibbetts Plumbing and Heating Company for heating, ventilating and air conditioning work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Tibbetts Plumbing and Heating Company for plumbing work is the lowest and best bid submitted by any responsible bidder:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (7 bids received)		
Baker and Coombs, Inc. (Columbus)	\$1,036,000.00	\$1,159,000.00
<u>Electrical Contract</u> (5 bids received)		
McCarty Bros. Electric Co. (Cols.)	215,620.00	250,280.00
<u>Heating, Ventilating and Air Conditioning Contract</u> (6 bids received)		
Tibbetts Plumbing and Heating Co. (Dayton, Ohio)	376,620.00	429,150.00

May 18, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

C. Student Housing, Buildings No. 4, 5 and 6, The Ohio State University
(Haverfield House, Norton House and Scott House) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Plumbing Contract</u>		
(8 bids received)		
Tibbetts Plumbing and Heating Co.		
(Dayton, Ohio)	\$ 189,840.00	\$ 239,150.00
<u>Total all contracts</u>	<u>\$1,818,080.00</u>	<u>\$2,086,580.00</u>

NOW, THEREFORE, BE IT RESOLVED by The Ohio State University Board of Trustees:

That the contract for General Work in the amount of \$1,036,000.00 be awarded to Baker and Coombs, Inc.;

That the contract for Electrical Work in the amount of \$215,620.00 be awarded to McCarty Brothers Electric Company;

That the contract for Heating, Ventilating and Air Conditioning Work in the amount of \$376,620.00 be awarded to Tibbetts Plumbing and Heating Company;

That the contract for Plumbing Work in the amount of \$189,840.00 be awarded to Tibbetts Plumbing and Heating Company; and

That the awards shall not be effective until the awardees have been notified in writing by the Secretary of The Ohio State University Board of Trustees of the award of the pertinent contract.

D. Installation of Three New Boilers at Research Center

Bids were received on May 8, 1962 and the award of contract was recommended to the low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(9 bids received)		
Huffman-Wolfe Company (Columbus)	\$33,200.00	\$45,000.00

Funds will be provided from Rotary 18504 Light, Heat and Power.

E. Structure to House Van de Graaff Generator

Bids were received on May 16, 1962 and the award of contracts recommended to the low bidders as follows:

May 18, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

E. Structure to House Van de Graaff Generator (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (8 bids received)		
E. J. Will & Co. (Columbus)	\$ 85,493.00	\$ 91,775.00
<u>Heating, Ventilating and Air Conditioning Contract</u> (5 bids received)		
The Kuempel Co. (Columbus)	36,740.00	25,100.00
<u>Plumbing Contract</u> (6 bids received)		
Piping Contractors Co. (Columbus)	9,980.00	11,550.00
<u>Electrical Contract</u> (3 bids received)		
McCarty Bros. Electric Co. (Columbus)	30,720.00	34,875.00
<u>Total all contracts</u>	<u>\$162,933.00</u>	<u>\$163,300.00</u>

Funds are provided for this project from Item 004, S. B. 592 and Account 717, H. B. 390.

Upon motion of Mr. Ketner, seconded by Mr. Loop, the above award of contracts was approved and the action of the Vice President, Business and Finance, ratified by roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 179 Approve the transfer of \$620.00 balance in G-2-A to Rotary 601 so that it may be restored to the General University Fund since final payment has now been made on all encumbrances for Scholarship Dormitories, Phases I - IV.
- 180 Approves the transfer of the balance of \$749.46 from G-2-P to Rotary 601 so that it may be restored to the Dental Clinic Rotary since all final payments have been made on encumbrances for the Air Conditioning the Dental Building.
- 181 Approves the transfer of \$10.75 from G-2-A to Hospital Rotary since final payment has been made on all encumbrances for Remodeling of Air Conditioning System at University Hospital.
- 182 Approves the transfer of \$81.54 from Rotary 601 to Account 712 Law Center Building to provide for a final adjustment in the architect's fee for the Law Center Building.

May 18, 1962 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS (continued)

- 183 Approves the transfer of the balance of \$125.25 from G-2-F to Rotary 601 since the Law Center Building is now substantially complete.
- 184 Approves the transfer of \$29.50 from G-2-T to Rotary 601 in order to close the building account for Storage Addition to Television Station.
- 187 Approves the purchase of 1 1/2 lots located in R. P. Woodruff's
188 Agricultural College Addition, City of Columbus, Franklin County, Ohio from J. B. and Irene O. Maynard for the sum of \$21,530.00 and releases \$12,530.00 in Account 760 and \$9,000.00 in Account 765, H. B. 390, for this purpose.
- 189 Approves the expenditure of \$7,979.00 from Maintenance Funds, H. B. 390, to provide for a contract for Repairs for Two Radial Brick Chimneys at The Ohio State University Power Plant.
- 190 Approves the transfer and expenditure of \$500.00 from Rotary 601 to Account 707 Derby Hall -University Bookstore, H. B. 390, to provide funds for the fee for complete professional engineering services on the project Air Conditioning the University Bookstore in Derby Hall.
- 195 Approves the transfer and expenditure of \$23,120.00 for engineering services for the project Improvements in Electrical Systems at University Hospital.
- 196 Authorizes the award of the Heating, Ventilating and Air Conditioning Contract to The Kuempel Co. in the amount of \$6,939.00 and the Electrical Contract to Jess Howard Electric Co. in the amount of \$5,696.00 without further competitive bidding for the project Remodeling Area 800, Kinnear Road Research Center.
- 197 Approves the transfer of \$22,585.37 from Rotary 601 to Account 718 Remodeling Area 800, Research Center, H. B. 390.
- 198 Approves the transfer and expenditure of \$63.24 from Rotary 601 to Account 706 Institute of Research in Vision, H. B. 390, in order to provide funds to adjust the architect's fee and make final payment on his contract.
- 203 Approves the expenditure of funds in the amount of \$168,284.08 to provide for the contracts, architect fees, advertising costs and other miscellaneous expenses for the project Ohio Union - South Terrace Remodeling.
- 204 Approves the transfer of \$168,284.08 from Rotary 601 to Account 701 Ohio Union - South Terrace Remodeling, H. B. 390.
- 207 Approves the award of the General Contract to Leopold Construction Company in the amount of \$92,950.00 and the Plumbing Contract to Grif M. Lewis, Inc. in the amount of \$2,624.00 without further competitive bidding on the project Research Space - East Side of Stadium.

May 18, 1962 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS (continued)

- 208 Approves the transfer of \$18,000.00 from Rotary 601 to Account 714 Research Space East Side of Stadium, H. B. 390.
- 210 Approves the transfer and expenditure of \$393.11 from Rotary 601 to Account 708 Installation of Water Softening and Heating Equipment in the Laundry, H. B. 390.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Purchase of Buildings and Property, Ten Lots Including Three Houses--Laneview

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Jessie and Anna Belle Johnson at a price of \$28,000.00:

Property known as Lot No. 46; Lot No. 47 with a frame house known and numbered as 2345 Wood Avenue; Lot No. 51; Lot No. 66 with frame house, corner of Preston and Wood Avenues known and numbered as 850 Preston Avenue; Lot No. 67 with frame house known and numbered as 2406 Wood Avenue; and Lots No. 76, 77, 78, 79 and 80. These 10 lots are located in the 2nd Wood-Brown Co. Addition, Clinton Township, Franklin County, Ohio.

This purchase is in conformity with the campus master plan, and the funds are available in Account No. 19999 for the purchase of this property.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

B. Dining Hall - South

It is recommended that Russell S. Fling, Columbus, Ohio, be employed to provide professional engineering services for the structural system, including design calculations, drawings and specifications.

The fee for this service will be calculated on a percentage basis of 1.25 per cent of the cost of the General Contract, or an estimated fee of \$3,375.00. Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

May 18, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all buildings located on property known as 169 West 11th Avenue, 175 West 11th Avenue and 209 West Frambes Avenue be demolished as soon as practical. This demolition shall be accomplished in the normal University manner.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Buildings and Property, 2106 Neil Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Walter H. Scott at a price of \$20,350.00:

Property known as 2106 Neil Avenue, being 80 feet off of the entire south end of Lots #94 and 95 of the R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

This purchase is in conformity with the campus master plan, and the funds are available in Account 766 Land Purchases, H. B. 390.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

E. Acquisition of Property--Lot No. 26 of University Heights Addition, City of Columbus, Ohio

President Fawcett presented the following resolution for consideration by the Board of Trustees and recommended that it be adopted:

WHEREAS, The Ohio State University has acquired certain parcels of real property located between Tenth and Eleventh Avenues, bounded on the east by High Street and on the west by Neil Avenue; and

WHEREAS, the University in planning to meet a portion of the needs of its students and its programs from the standpoint of dormitory, educational, research, and service facilities, will be required to acquire most, if not all, of the land lying between Tenth and Eleventh Avenues east of Neil Avenue and west of High Street; and

WHEREAS, the Trustees of The Ohio State University have approved a campus master plan for this area; and

WHEREAS, the Trustees of The Ohio State University deem that this land is mandatory in meeting the needs of the University and serving the people of the State of Ohio; and, therefore, find it necessary to proceed with the acquisition of real property therefor; and

May 18, 1962 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Acquisition of Property--Lot No. 26 of University Heights Addition
City of Columbus, Ohio (continued)

WHEREAS, said Board of Trustees acting through the Office of Business and Finance of the University has been unable to negotiate for the purchase of said real estate hereinafter set forth;

NOW BE IT RESOLVED, that pursuant to his statutory authority, the Director of Public Works for and on behalf of said Board of Trustees be requested to take steps to acquire by condemnation, for the State of Ohio, and said University, the following described real estate all located in the City of Columbus, County of Franklin, and State of Ohio:

Lot No. 26, University Heights Addition, City of Columbus,
Franklin County, Ohio, and commonly known as 229 West
Eleventh Avenue. Owner of record is Gladys W. Walker.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above resolution was unanimously passed by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of William John McCaughey, Professor Emeritus of Mineralogy, and Bert A. Wallace, Professor Emeritus of the Agricultural Extension Service, and in accordance with instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished to the families of the deceased.

A. William John McCaughey

The Board of Trustees expresses its sorrow at the death on April 8, 1962 of William John McCaughey, Professor Emeritus of Mineralogy.

William John McCaughey was born in Philadelphia, Pennsylvania, on June 21, 1882. After graduating from Philadelphia Central High School, he attended the University of Pennsylvania, where he received the B.S. degree in Chemistry in 1906. Graduate studies at Johns Hopkins University and George Washington University culminated in the Ph.D. degree from the latter institution in 1912.

Dr. McCaughey was Assistant Assayer for the United States Mint from 1906 to 1908 and Mineralogist for the United States Bureau of Soils from 1908 to 1911. In 1911 he joined the faculty of The Ohio State University as Assistant Professor of Mineralogy and became Acting Head of the Department of Mineralogy in 1913. In 1916 he attained the rank of Professor and was named Chairman of the Department, a post which he held until his retirement in 1952.

XI. RESOLUTIONS IN MEMORIAM (continued)

A. William John McCaughey (continued)

He was a member of the honorary fraternities Alpha Chi Sigma, Tau Beta Pi, Phi Lambda Upsilon, Sigma Gamma Epsilon, and Sigma Xi, serving as President of the Ohio State Chapter of Sigma Xi in 1928-1929. He held Fellowship in the American Geological Society and the Ohio Academy of Science. As a member of the American Mineralogical Society, he served as Councillor from 1932 to 1935 and Vice President in 1941. Other memberships included American Chemical Society, American Geophysical Union, American Institute of Mining and Metallurgical Engineers, American Crystallographic Association, Mineralogical Society of Great Britain and Ireland, and Deutsche Mineralogische Gesellschaft. From 1912 to 1916 he served as Assistant Editor of the Transactions of the American Ceramic Society.

Dr. McCaughey was well-known nationally and internationally for his contributions to microscopic mineralogy and thermochemical mineralogy and established and taught the first course in the latter subject in the United States beginning in 1911. He made outstanding contributions in the field of complex silicate systems at high temperature, and these studies have been of extreme importance in metallurgical practice. He also made significant contributions to ceramic technology. His outstanding work in this field was recognized by the American Ceramic Society when he was invited to present the Edward Orton Jr. Fellow Lecture at the Annual Meeting in 1936. He was honored by the Pittsburgh section of the Society when he was named the Bleining Medalist in 1954. He was to have received an Honorary Life Membership in the Society this very month.

As an educator Professor McCaughey epitomized the model teacher: extremely well-informed, enthusiastic about his subject, sympathetic and patient with the student, but uncompromising in regard to the highest standards of scientific accuracy. In his teaching, as well as his relations with former students and his associates at the University, he was unselfish in giving of his time, skill, and extensive knowledge and experience. In tribute to these accomplishments during 41 years as an educator, The Ohio State University conferred upon him its honorary Doctor of Science degree in 1953. He received the Lamme Award in Engineering Education in 1954. In 1960 a Graduate Fellowship in Mineralogy was established in his honor at the University.

In his passing, American mineralogy has lost one of its stalwarts; the University, one of its most inspiring teachers and faithful servants; and his former colleagues and students, a cherished hero and a sympathetic friend.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Bert A. Wallace

The Board of Trustees expresses its sorrow at the death on April 28, 1962 of Bert A. Wallace, Professor Emeritus.

May 18, 1962 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Bert A. Wallace (continued)

Professor Wallace's life was one of dedication and outstanding service through education to the people of the States of Minnesota and Ohio. He was an educator of the first degree, having served as City Superintendent of Schools in Minnesota from 1898 to 1910; Head of Rural Department, Valley City, North Dakota, Normal School, 1910 to 1918; and as assistant instructor at the University of Minnesota 1918 to 1921. His service to Ohio people extended over a period of 25 years from 1921 to his retirement in 1946.

Professor Wallace attended State Normal School and later graduated from the University of Minnesota in 1917 and in 1920 received his M.A. He attended Chicago University during the summer and fall of 1927. Professor Wallace during his active years as an Extension Economist in Ohio became known as an authority on cooperatives throughout the State. He was known for his understanding of the cooperative movement and for his service to this activity. He was responsible for the development of an accounting system and for years analyzed the annual reports of the cooperative grain elevators of the State and made a detailed report for their study and use. He was known as an authority on cooperative laws and was instrumental in the revision of the bylaws of many of the cooperative marketing organizations throughout the State. He was an early leader in the organization of Production Credit Associations in the State and through this activity assisted thousands of farmers with their credit problems.

Professor Bert Wallace endeared himself to the staff of this institution and to thousands of agricultural leaders throughout Ohio. He was known for his deep concern with problems of people and his willingness to seek solutions with them based on scientific procedures. He is credited with having attended thousands of meetings throughout Ohio in the promotion of the educational program he represented. He was always welcome in any Ohio meeting of agricultural leaders because of the contributions he made.

The total program of The Ohio State University was greatly enhanced by the contributions made by Professor Wallace.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Reports from the Finance and Investment Committee

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds

Mr. Patton, Chairman of the Finance and Investment Committee, requested Vice President Carson to report on the need for adoption of certain resolutions relating to the sale and issuance of said bonds.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

Dr. Carson reported as follows:

Because there were no State-appropriated funds provided by the 104th General Assembly of Ohio for the acquisition of real estate, it is impossible to proceed at this time with the construction of eight buildings out of the fifteen projected for the North Residence Hall area. Therefore, the Housing and Home Finance Agency has requested that the remaining seven buildings of the project provided by the two loan agreements under Projects CH-Ohio 87(D) and 99(D) be consolidated and the resolutions, as drafted by Bond Counsel, Squire, Sanders and Dempsey, which are now under consideration by the Board of Trustees will effect the changes necessary to expedite the Residence Hall construction program.

Mr. Patton then presented the following resolutions:

a. Bond Resolution and Third Supplemental Trust Agreement

BE IT RESOLVED, that the Third Supplemental Trust Agreement, including Bond Resolution, attached hereto and made a part of these minutes (see Appendix X, page 494), is hereby approved, and the President of the University and the Chairman of the Board of Trustees are authorized to execute, acknowledge and deliver the same as may be appropriate in the form so presented to this meeting, and the Secretary is authorized to seal and attest the same, all with such changes not unfavorable to the University as the officers acting shall deem advisable or as shall be required by the rules or practices of the Housing and Home Finance Administration.

FURTHER RESOLVED, that the Third Supplemental Trust Agreement and the Bond Resolution therein approved at this meeting shall be changed in such manner as necessary to conform to the Loan Agreement approved at this meeting, and, as so changed, the same are hereby approved and adopted and said Third Supplemental Trust Agreement as so changed shall be executed, acknowledged, sealed and delivered as may be appropriate by the President of the University and the Chairman and the Secretary of the Board, or any of them.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)
- b. Revocation of Certain Board Resolutions Relative to Loan Agreements and Interim Loan Agreements for Projects CH-Ohio 87(D) and 99(D)

RESOLVED, that subject to the execution and delivery of the new Loan Agreement for the combined Project 87(D) and part of Project 99(D) hereinbefore approved and authorized, the following Resolutions adopted by the Board of Trustees of The Ohio State University are hereby rescinded, revoked and declared null and void: (1) Resolutions approving and authorizing the original Loan Agreement for Project 87(D), Interim Financing Agreement and Promissory Note--form and execution--adopted June 11, 1960 appearing at page 980 of the minutes of said meeting, (2) Resolutions adopting Series E, F and G Bond Resolution and approving Third Supplemental Trust Agreement adopted June 11, 1960 and appearing at page 987 of the minutes of said meeting, (3) Resolution with respect to establishment, disposition and withdrawals from bank accounts adopted June 11, 1960 and appearing at page 994 of the minutes of said meeting, (4) Resolution approving and providing for the execution of a Loan Agreement and numbered contract No. H(402)-444 adopted at the meeting of the Board of Trustees held July 8, 1960, (5) Resolution approving and providing for the execution of a Loan Agreement and numbered contract No. H(402)-541 adopted November 10, 1961, (6) Resolution adopting Series H and J Bond Resolution and approving the Fourth Supplemental Trust Agreement adopted November 10, 1961, and (7) Resolutions approving the interim financing proposal for Project 99(D), Promissory Note--form and execution--adopted at a meeting of the Board of Trustees held January 12, 1962, and (8) Resolution with respect to establishment, disposition and withdrawals from bank accounts adopted at the meeting held January 12, 1962.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

- c. Renegotiation of Interim Financing for Projects CH-Ohio 87(D) and 99(D)

WHEREAS, the size of Project 99(D) has been reduced, and Projects 87(D) and 99(D) have been combined as provided in the Loan Agreement and Third Supplemental Trust Agreement heretofore approved at this meeting; and

WHEREAS, the University has obtained interim financing commitments for said Projects 87(D) and 99(D), and

WHEREAS, the revision of said projects requires an adjustment in said interim financing,

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)
- c. Renegotiation of Interim Financing for Projects CH-Ohio 87(D) and 99(D)

NOW, THEREFORE, BE IT RESOLVED, that the President and Vice President, Business and Finance, of The Ohio State University, and each of them are hereby authorized and directed to renegotiate the interim financing commitments for Projects 87(D) and 99(D) and to obtain financing for the revised project upon such terms and conditions as the officer acting shall deem advisable and not unfavorable to the University.

FURTHER RESOLVED, that said officers and each of them are authorized to enter into such agreements and to execute and deliver such promissory notes or other evidences of indebtedness and to secure such indebtedness upon such terms as the officer acting shall deem appropriate and not unfavorable to the University.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

d. Approval and Execution of Revised Loan Agreement

WHEREAS, the University presently has Loan Agreements with the Housing and Home Finance Agency dated as of July 1, 1960 [Contract No. H(402)-444, relating to Project No. Ohio 33-CH 87(D)] and as of October 1, 1961 [Contract No. H(402)-541, relating to Project No. Ohio 33-CH 99(D)]; and

WHEREAS, a revision of these projects has been requested from and approved by, the Housing and Home Finance Agency; and

WHEREAS, such revision will require approval and execution of a new Loan Agreement; and

WHEREAS, the new Loan Agreement and form of Government resolution approving such agreement and authorizing its execution is not available for this meeting;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University:

Section 1. That the form of Government resolution approving the new Loan Agreement, and authorizing its execution is hereby adopted, and said loan agreement is in all respects approved if the terms and provisions thereof provide for the issuance of \$10,900,000 of Dormitory Revenue Bonds consisting of \$5,500,000 Series E to be offered to the public, and \$1,200,000 Series F,

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

- d. Approval and Execution of Revised Loan Agreement (continued)

\$1, 350, 000 Series G, and \$2, 850, 000 Series H to be purchased by the Housing and Home Finance Agency to provide funds for the construction of Dormitory F for Women, Married Housing Project No. 2, Men's Housing Nos. 1, 2, 3, 4, 5 and 6 and Dining Facilities Central and South, and the terms and provisions of said Agreement otherwise conform to the terms and provisions of the Third Supplemental Trust Agreement and Series E, F, G and H Bond Resolution adopted at this meeting.

Section 2. The President, Vice President, Business and Finance, and the Secretary of the Board of Trustees, and each of them are authorized to execute said Loan Agreement.

Section 3. When the Loan Agreement authorized herein is available, the Secretary is directed to insert the Government resolution approving the Loan Agreement in these minutes and to certify that said resolution was adopted at this meeting.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

- e. Approval of Certificates for Additional Dormitory Revenue Bonds--Series E, F, G and H

RESOLVED, that the certificates attached hereto marked respectively Exhibit A and Exhibit B and setting forth the earnings coverage and certifying as to there being no default under the Original Trust Agreement, as to all conditions provided for in the Trust Agreement being satisfied for issuance of the bonds, as to no change in financial condition and as to the proceeds of the bonds being sufficient to complete the project, be and the same are hereby approved.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

Exhibit A

CERTIFICATE AS TO EARNINGS

Section 6(b) of Bond Resolution and
Section 2.03 of Trust Agreement

The undersigned respectively, President and Vice President, Business and Finance of The Ohio State University, hereby certify to the facts set forth in the schedule 1 and schedule 2 attached hereto.

The undersigned further certify:

- (a) That there were not included in net income any receipts against which there is any prior claim other than the use thereof for the operating expenses included in computing net income; and
- (b) That said computations of estimates provided for above are based on an assumed occupancy of not more than 95% of capacity of the dormitory facilities in question.

_____, 1962

President

Vice President
Business and Finance

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

Schedule 1

The Ohio State University
Schedule of Expected Earnings Coverage Under Section 6(b)
of Bond Resolution as of July 1, 1962 for Insurance of
Proposed \$10,920,000 Series E, F, G and H Bonds

Item No.

1.	Estimated net income from present facilities for the year ending June 30, 1962 after excluding net income from residents to be fed in the new Dining Facility - South	\$1,099,770
2.	Adjustment in net income to give recognition to anticipated changes in operating costs. (Note 1)	(62,829)
	Estimated annual net income from facilities to be constructed with proceeds from Series E, F, G and H Bonds. (Note 2):	
3.	Married Housing Project #2	137,835
4.	Dormitory F for Women	129,442
5.	Men's Housing #1 and #2	50,097
6.	Men's Housing #1 and #2 Dining Facility	187,259
7.	Dining Facility - South	208,540
8.	Men's Housing #4, 5 and 6	67,660
9.	Men's Housing #3	<u>21,160</u>
10.	Total estimated net income for the year ending June 30, 1962 and projected annual net income from facilities to be constructed	<u>\$1,838,934</u>
11.	Maximum amount to become due in any succeeding fiscal year for principal and interest on Series A, B, C, D, E, F, G and H Bonds	<u>\$1,331,888</u>
12.	Ratio of total to maximum principal and interest requirements on Series A, B, C, D, E, F, G and H Bonds	<u>1.38</u>

Note 1. Operating expenses increased 2% to give recognition to anticipated changes in Operating Costs.

Note 2. Estimated net income computed in accordance with the present Trust Agreement on the basis of 95% occupancy and estimated expenses consistent with those experienced in similar existing facilities. 95% occupancy is consistent with experience to date.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

Schedule 2

The Ohio State University
Schedule of Expected Earnings Coverage Under Section 6(b)
of Bond Resolution for the Remainder of the Construction
Period, July 1, 1962 to December 31, 1963*

Item No.

1.	Funds available during eighteen-month period July 1, 1962 to December 31, 1963, from net income of dormitory facilities for that period. (Estimated receipts for the period less estimated expenditures for the period)	\$2,001,583
	Funds available from Bond Proceeds	
2.	Capitalized interest - \$350,000 less interest on interim financing	170,000
3.	Interest on investment of Construction Fund available for payment of bond interest during construction	82,500
4.	Other funds available from previous net income for principal and interest on the bonds during the eighteen-month period (Debt Service Fund)	<u>110,000</u>
5.	Total Funds Available	<u>\$2,364,083</u>
6.	Principal and interest requirements for the eighteen-month period	<u>\$1,797,250</u>
7.	1.30 times interest and principal requirements for the period	<u>\$2,336,425</u>

*December 31, 1963 is the date on which the project will be completely ready for occupancy.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

Exhibit B

CERTIFICATE

Section 2.03(4) of Trust Agreement
for Series E, F, G and H Bonds

The undersigned, President and Vice President, Business and Finance, of The Ohio State University, respectively hereby certify:

- (a) That they know of no existing facts which would be an event of default under the Trust Agreement and they know of no facts which, on granting of the application for the authentication of the Series E, F, G and H Bonds, would result in the University being in default in the performance of any of the terms or covenants of the Trust Agreement;
- (b) That, in the opinion of the signer thereof, all conditions provided in the Trust Agreement precedent to the granting of said application have been complied with;
- (c) That, since the beginning of the current fiscal year, there has been no material change which would adversely effect the estimates in the Earnings Certificate relative to the Series E, F, G and H Bonds, and
- (d) That the proceeds of the Series E, F, G and H Bonds will be sufficient to, and are necessary to, complete the project for which they are issued.

The undersigned further certify that the Vice President, Business and Finance, is the chief financial officer of the University.

_____, 1962

President

Vice President
Business and Finance

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Third Supplemental Trust Agreement and Bond Resolutions Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds (continued)

- f. Declaration of Necessity for Construction of Additional Residence Halls

RESOLVED, that a necessity exists in view of prospective enrollments and available housing and dining facilities at the University to obtain funds to construct and equip additional dormitory and dining hall facilities (as defined in the Trust Agreement dated as of April 15, 1957 as supplemented by Third Supplemental Trust Agreement dated as of April 15, 1961) and to finance such requirements through the issuance of \$10,900,000 Dormitory Revenue Bonds consisting of \$5,500,000 Series E, \$1,200,000 Series F, \$1,350,000 Series G and \$2,850,000 Series H Bonds the proceeds from which will be applied to finance construction of the Project described in said Third Supplemental Trust Agreement, and it is hereby found that the estimated cost of such Project and all costs incidental thereto and to the financing thereof is \$10,900,000.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

- g. Approval of Form of Dormitory Revenue Bond

RESOLVED, that the form of the Series E, F, G and H Bonds shall be as provided in the Third Supplemental Trust Agreement approved at this meeting.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

- h. Establishment of Construction Bank Account

RESOLVED, that either the President or Vice President, Business and Finance, on behalf of the University and this Board of Trustees are authorized to give such instructions as the officer acting shall, from time to time, deem advisable and consistent with the bond resolution, trust agreement and loan agreement with respect to the deposits in, or withdrawal from, application, disposition, or establishment of any account in The Ohio National Bank of Columbus (or other bank) and the deposit therein of the proceeds of sale of the Dormitory Revenue Bonds, Series E, F, G or H, or of loans effected as interim financing pending issuance of said bonds, and the Board hereby adopts such forms of resolutions as may be required by such bank to effect the foregoing.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

2. Report on Investment Portfolio

The report on the University's Investment Portfolio dated April 30, 1962 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees. Gordon B. Carson, Vice President, Business and Finance, was authorized to sell Pullman Inc., United States Steel Corporation and Republic Steel Corporation common stocks held in the Investment Portfolio, subject to recommendation of the Investment Counsel, Standard and Poor's, and consultation with the Finance and Investment Committee of the Board of Trustees.

B. Report by President Fawcett on Interpretation of Faculty Rule Concerning Guest Speakers

President Fawcett made the following statement:

At the close of each meeting of the Board of Trustees recently, I have been commenting upon some highlights which I believed would be interesting to members of the Board. Since our last meeting my time has been consumed very largely on the issue of my interpretation of the Speakers Rule and my actions which were based upon University rules and regulations.

On Monday, May 14, 1962, I presented my views on this subject on the occasion of a special meeting of the faculty which was called under Rule 25.07. The results of that meeting are a matter of public information, and a copy of my address to the faculty was mailed to each member of this Board on the afternoon of the 14th.

Among other statements made by me on this occasion, I stated that channels were open for any clarification or rewriting of the Speakers Rule that might be needed. I suggested further that the matter might very appropriately be referred to the Faculty Advisory Committee to the President and the Board of Trustees or to some other committee and to the Board of Trustees for ultimate action. I have since written to the Faculty Advisory Committee and suggested that we might give this matter our early consideration.

Since my views on the entire issue have been set forth in my address to the faculty, I have no other comments to make on this subject.

/s/ Novice G. Fawcett

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule
Concerning Guest Speakers (continued)

Mr. Jacob E. Davis then presented the following resolution and moved its adoption:

RESOLUTION

Resolved that the statement made by the President to the Special Meeting of the Faculty on May 14, 1962, a copy of which follows, be and it is hereby wholeheartedly endorsed and approved.

Mr. Allyn seconded the motion to adopt the resolution and the Board of Trustees approved the resolution by unanimous roll call vote.

SPECIAL MEETING OF THE OHIO STATE UNIVERSITY FACULTY

May 14, 1962

This special meeting of the University faculty was called pursuant to a petition submitted under Rule 25.07. The petition stated that the purpose of this meeting was "to discuss the meaning and application of Speakers' Rules in the light of recent Presidential Action." The recent presidential action referred to is my action in postponing indefinitely a meeting scheduled for April 25, 1962. I assume from the petition that you would like me to discuss with you certain of the broad principles which I believe must govern all of us as responsible members of a university community. I do this not to continue the debate in which we have found ourselves during the last several days but, rather, to make my position clear and to give such members of our University faculty who wish to speak an opportunity to express their views. It is my plan to make a statement concerning these matters and then to open the meeting for whatever discussion you may feel is appropriate.

First, I wish to re-emphasize that which I said when I found it advisable to postpone this meeting that was sponsored by one of our recognized student organizations. I believe strongly in free and responsible inquiry on this campus, and I subscribe wholeheartedly to Rule 21.01, including the following sentence therefrom: "Honesty and objectivity, however, must always be cardinal principles in teaching, and one who is not free in conscience has neither the right to teach nor the right to speak in a community of scholars which is founded upon the principle of intellectual integrity." Honesty, objectivity, and a free conscience are by Rule 21.01 made prerequisites for the exercise of academic freedom. Certainly academic freedom was never meant to become the weapon of its own destruction. It was not designed to become the tool of those who are not free and whose indoctrination of others would destroy freedom.

Our faculty must always be free to examine and to explore controversial matters as long as the examination and exploration are in keeping with moral and intellectual integrity. I have defended and I shall continue to defend this freedom. Our Rules for the University Faculty, as adopted by our Board, favor the fullest academic freedom which is consistent with an educational program. Responsible discussion and investigation are the foundation

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule
Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

of any university in a free society. In my view, without responsible free discussion and investigation, a university becomes nothing more than a propaganda tool designed to indoctrinate, not to educate.

This academic freedom, like all freedoms, can be exercised only with honesty, objectivity, and a free conscience. It is only when intellectual matters, including those involving controversy, are thus pursued that the best and over-all interests of the University are met. We must today be thoughtfully aware of that familiar paradox--freedom without restraint is not freedom at all; unrestrained freedom for some produces oppression of others. Our heritage is the social concept of freedom restrained by rules. The task of decision thus becomes the difficult one of balancing the desire for free and open discussion by all against the preservation of our heritage. I realize, as well as do you, that we must be careful not to destroy that heritage by seeking overzealously to preserve it. We must not destroy freedom in the name of freedom.

This job of balancing and of making decisions must fall to someone. As I understand administration, the State statutes, and our Rules, this task falls to me. While a governing board and its chief executive officer--in our case the Board of Trustees and myself--may delegate various duties, various responsibilities, and various powers, the ultimate responsibility for acts done by the organization or any of its parts must remain with the governing board and its chief executive officer. If the governing board or its chief executive officer knowingly permits an action to be taken by any member of the organization which cannot in good conscience be supported as a proper act of the organization, this is an abdication of that ultimate responsibility.

It is, then, the responsibility of the chief executive officer to consider the total effect upon the organization of any proposal arising from within the organization. His responsibility is to all those with a legitimate claim upon the organization rather than to any one group. The chief executive, more than any other member of the organization, is responsible for anticipating and weighing the results which come from any major decision and for attempting to insure that the decision produces the best foreseeable pattern of results.

The responsibilities of a university extend beyond the boundaries of the campus and reach to the entire state and nation. This fact must be recognized in the administration of a university. We face times when ideologies are being promoted not for the purpose of education but for the purpose of indoctrination. It is my view that we must not allow our schools and universities to become places in which objectivity gives way to indoctrination. As president, I am ultimately responsible for anticipating and weighing the complex results which will come from any major decision made on this campus.

In discharging responsibilities, an administrator must act in a reasonable manner. This faculty has a right to expect its president to make reasonable decisions based upon the academic criteria agreed upon by us as a faculty.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

But the president, as the chief executive officer of this University, does have the authority to act and the responsibility for anticipating the effects of his judgment. A chief executive officer is more than an errand boy or an assessor of consensus. He is expected by the Board--and I believe by the faculty--to exercise leadership in University affairs.

The ultimate responsibility for governing this University rests, by statutes, in our Board of Trustees. These same statutes further provide that the Board has authority to adopt by-laws, rules, and regulations to govern The Ohio State University. These by-laws and rules, as adopted, make the president the chief executive officer of the University and provide that he is "responsible for the entire administration of the University." In discharging this responsibility, he must foster and promote instruction and research within an atmosphere of responsible academic freedom. He also is charged with a duty of enforcing the rules as adopted by the Board of Trustees. In short, the responsibility of the president rests upon the statutes of the State of Ohio and on the rules and regulations of the Board of Trustees.

I accepted the responsibility of president of this University with seriousness and with a resolve to aid the University in its development and growth. I would be neglecting my duty if I were to ignore activity on this campus which I believe would be detrimental to the over-all interest of this University in that development and growth, especially when the particular activity was my ultimate responsibility under University Rules. I believe that I am expected by this faculty, by the Board, and by the public to exercise leadership and to anticipate the effect which various activities within the University community will have on our primary goal of education. Of course, in the exercise of this leadership in an institution as large and complex as this one, major decisions are preceded by consultation.

In exercising leadership, every chief executive officer will make decisions which are not concurred in by all affected. You have a right to expect the president to act reasonably and in good faith within criteria which you have agreed are applicable to his decision. This I did in postponing indefinitely the meeting scheduled for April 25, 1962.

None of the principles which I have described in any way detracts from the responsibility of each member of our faculty to act at all times in the best interests of the University. None of these principles restricts the freedom of our faculty members to take part in the processes through which the Rules which govern this University are created or interpreted. Obviously none of these principles guarantees unanimous agreement about every administrative act. They do, however, establish a pattern through which the faculty of this University, working with good sense and good judgment, can promote the goals of the University and the prestige of individual faculty members.

With this general background, I shall now discuss the specific decision which brings us together today. Simply put, I decided that a scheduled meeting

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

sponsored by a student organization on this campus should be postponed indefinitely because I was convinced--and am still convinced--that holding this meeting would not have been in the best and over-all interests of this University. My decision was based upon our University Rules. This statement should be expanded. I shall outline my interpretation of Rule 21.09, the Guest Speakers Rule.

Our Guest Speakers Rule was written as a statement of policy. Rule 21.09 was the product of more than eighteen months of effort on my part to negotiate a policy between the Board of Trustees and the Faculty Advisory Committee--a policy that would provide reasonable latitude for faculty member to extend invitations to guest speakers and a policy that could be supported by the Board and by the faculty. The result was a compromise of positions. I do not look at the present words of Rule 21.09 as the final word of this University in regard to guest speakers. It is, however, our present position with more responsibility in the faculty than when I assumed the duties of president. More work may well be needed to sharpen criteria and to accumulate data to guide in decision making as we attempt to work together under its mandate. Moreover, because it is not written in the more precise words of our other Rules, it is fair to say that it might reasonably be interpreted in different ways.

When I read this Rule, I find that it contains a variety of terms about the responsibility for issuing invitations to persons to speak on this campus. Such phrases as these are contained in Rule 21.09: "The responsibility for initiating an invitation . . . is primarily a responsibility of the faculty" Further, the Rule indicates that "in case of doubt" the faculty member should do all he can to remove that doubt, including, if advisable, discussing the problem with the president of the University. The Rule then states that the faculty member "assumes sole responsibility" for the invitation.

All of these references leave open the question of responsibility to whom. Some contend that this is a responsibility to the conscience of the individual faculty man extending the invitation. Others claim that this is a non-reviewable responsibility which is subject only to disciplinary action in the event irresponsible action is taken. I, many members of the faculty, and I believe the Board of Trustees, interpret our Guest Speakers Rule as making the faculty ultimately responsible to the president for invitations extended.

I rest this interpretation on the fact that the president is the chief executive officer of the University and is, under statutes and rules of the Board, responsible for the entire administration of the University. I rest this interpretation on the structure of Rule 21.09. This Rule recognizes the role of the president as the person who makes the ultimate decision "in case of doubt." Notice that the Rule does not say that it must be the faculty member who has the doubt; it says only "in case of doubt."

Finally, I rest my interpretation on what I understand was the intention of the Board of Trustees in adopting Rule 21.09. You will recall that prior to

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

this Rule all decisions as to guest speakers were made by the president. Rule 21.09 was passed to give the faculty member the primary (in the sense of in the first instance) authority to initiate an invitation to a guest speaker and to provide that the faculty man solely (in the sense of he alone) was to be responsible to the president for the invitation. Had it been the intention of the Board to grant a non-reviewable decision to the faculty in respect to guest speakers, such intent surely would have been stated clearly, and there would not have been the requirement in the Rule that he consult with his colleagues and ultimately the president. The requirement of concurrence in the faculty man's decision ultimately by the president is implicit in the requirement of ultimate consultation with the president.

It was with this interpretation of Rule 21.09 that I had to make the decision as to whether this particular meeting should be held on the Ohio State campus on Wednesday, April 25. I carefully followed regular University channels before reaching a decision. Within the framework of time available the problem was considered with the faculty man extending the invitation, with the Dean of his College, with the Executive Dean, Student Relations, with the Vice President, Instruction and Research, and with the Faculty Advisory Committee. I then determined that it was in the best interests of the University that this meeting be postponed for two reasons.

First, Rule 21.01 states: "Honesty and objectivity, however, must always be cardinal principles in teaching, and one who is not free in conscience has neither the right to teach nor the right to speak in a community of scholars which is founded upon the principle of intellectual integrity." Rule 21.09 states: ". . . those whose views do not contribute in some way to the University's educational program are not acceptable as guest speakers." Therefore, I made my decision based on my interpretation of the Rules and not based upon outside pressure as has been inferred.

The second reason for the action which I took centers on the meeting itself. It was scheduled for April 25. To my knowledge, until April 24 no one in University administration was aware that guest speakers had been invited. I did not know it until April 25. The student organization had not listed the names of its speakers when the room was reserved. For all we knew, this was to be a regular business meeting. The fact that there were to be guest speakers came to our attention on April 24 when a notice appeared on a bulletin board that a "rally" was to be held. The notice stated, "Our rally is a part of a national series of demonstrations protesting the new hearings." Essentially what I did was to bar a demonstration. The term "rally" may accurately state what the students had in mind, but it is not appropriate to describe a scholarly presentation in the tradition of academic objectivity.

This general build-up, coupled with a last-minute, three-speaker package deal, all combined to convince me that this University was to be used for a propaganda venture rather than for an educational meeting, and I did not then and I do not now feel that any expression of views under those circumstances contributes in any way to the University's educational program within Rule 21.09.

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule
Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

Although I assume that some of you may desire to turn this meeting into an argument about the items of evidence which were presented to me, I believe that such an approach would not be of benefit to this University. Even though I recognize that the existence of academic freedom turns on how individual cases are decided, I believe that I have demonstrated through past behavior that I sincerely believe in the principles of academic freedom and will intervene only in extreme cases. Throughout my tenure as president of this University, I have attempted to respect the traditional rights of faculty members in an academic community. In spite of pressures from one source or another, to my knowledge I have never interfered with a faculty member in his personal teaching, writing, research, or community activities. As a matter of fact, I have defended the right of faculty members to criticize legislators, governors, and members of the University administration. I cannot believe that I have in any way acted to create a valid opinion that I neither understand nor defend academic freedom.

I knew the comments which would follow my decision. I knew that the easy, indeed the cowardly, way would be to remain silent. My conscience would not permit me to do so. I believe the Rules required me to act. Inaction at this point would, in my opinion, have amounted to shirking my responsibilities as president of this University. From the viewpoint of the administrator, the easy way would be to permit all persons free access to University facilities and student audiences. Such a course would not only be a breach of the University's Rules, but it would lead to a complete disruption of the orderly educational process and a conversion of the University to a haven for propagandists.

After I made the decision I wrote to the Chairman of the Faculty Advisory Committee and suggested that that Committee might wish to assess the action of the faculty man extending the invitation and to examine the performance of the president in the light of his role at this University. I also requested that our chapter of the AAUP address itself, among other things, to the question of responsibility. An analysis of our current problem cannot be made in the absence of a clear-cut statement of the responsibilities which a faculty accepts on behalf of the freedom it expects. I cannot agree that it is possible to take votes on freedom in the absence of votes on responsibility.

It is because of my understanding of the meaning of academic freedom and responsibility as related to this University that I am convinced I could act in no other way than to have postponed the meeting under question. The action I took is the type of action that is inherent in any organized group and is inevitable where rules exist which must be administered.

Much of the controversy about our Guest Speakers Rule appears to assume that conferring the power upon the president to review decisions made by individual faculty members is somehow inconsistent with freedom. I do not accept this assumption. I agree with a sentence cited by Justice Cardozo,

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule
Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

"If liberty is a social conception, there can be no liberty without social restraint."¹ Authority in the hands of one person or a group of persons does not necessarily infringe upon the freedom of those who are subject to the authority. Decisions which are made in accordance with criteria which have been accepted by the community governed by the decisions are not an infringement on freedom as long as there are methods for seeking changes in criteria. In this particular case, I do not believe that the president of this University exercises arbitrary power if his review of faculty choice is made in accordance with criteria acceptable to the faculty.

My critics are claiming that my act of postponing indefinitely the demonstration scheduled on this campus was a denial by me of the right of free speech. I think an honest appraisal of the question I have been discussing with you demonstrates that the question of free speech is not the current question. The sole question before us now is who, under Rule 21.09, has the authority to refuse permission for a guest speaker to appear on the campus. The faculty member by refusing to issue an invitation or by refusing to approve an invitation under Rule 21.09 would have barred the demonstration just as effectively as did my action. From the standpoint of free speech, the denial would have been the same--this location would not have been available for these speakers. Yet I doubt that such action by the faculty man would have called forth the furor that my action has created. The instant question, therefore, is not whether access to the University campus can be denied to a speaker (the possibility of such a denial has been established by the Rules), but rather who, under the Rules, has the power to make and the responsibility for such a denial.

Now, in order to inform you of one of the recent developments, I wish to read to you a letter which I received bearing the date May 1, 1962 and bearing the signature Phillip Abbott Luce.

¹Hall and Patterson (editors), Selected Writings of Benjamin Nathan Cardozo. New York: Fallon Publications, 1947, page 310.

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule
Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

EMERGENCY CIVIL LIBERTIES COMMITTEE
421 Seventh Avenue, New York 1, N. Y. OXford 5-2863

May 1, 1962

President Novice G. Fawcett
Ohio State University
Columbus, Ohio

Dear Sir:

It has been reported that you are considering making public a statement that may be defamatory of me. I wish to advise you that I shall hold you, and the university of which you are President, fully accountable in the courts for any injury that you may cause me.

If it is your intention, notwithstanding the above, to comment on me at a meeting as the reports indicate, then I must insist on my rights to have counsel present. I would therefore appreciate a prompt reply to this letter advising me of the time and place of the intended meeting.

Yours truly,

S/ Phillip Abbott Luce

Phillip Abbott Luce

I am confident Mr. Luce did not intend to accommodate me when he wrote that letter. I am certain I do not intend to accommodate him by resorting to the tactics which he suggests and evidently anticipates.

The important problem--the problem which must command your time and effort and my time and effort--is how we can best proceed to make this a better University. What steps can be taken now within the bounds of responsibility I have attempted to outline which will give our students an opportunity to develop their interests, their healthy curiosities, and their intellectual capacities to the utmost?

What does all this mean for the future? Some of you may say that it means each member of this faculty can invite a guest speaker only in the constant fear that the president will intervene to cause embarrassment. Of the many

XII. REPORTS (continued)

B. Report by President Fawcett on Interpretation of Faculty Rule
Concerning Guest Speakers (continued)

Special Meeting of The Ohio State University Faculty

meetings with outside speakers which take place on this campus each year, this is the only case in which I felt it necessary to intervene. Parenthetically, let me add that in many cases it has been suggested that I exercise my authority to cancel scheduled talks. In each instance I carefully reviewed the facts and refused. Thus, I have not and do not intend to use this authority to cause embarrassment. I will use this authority only when I come reluctantly to the conclusion that the Rules and the welfare of the University prohibit the appearance of the speaker.

I do believe, however, that this incident has caused careful thought about our Guest Speakers Rule. Perhaps from the many letters and articles that have been written about Rule 21.09 we can draw positive ideas from which changes in the Rule may be recommended. I am especially concerned with the criteria that are set forth for the faculty man and for me to apply in reaching our decision. I believe that all of us would welcome a more careful statement of these criteria. If you agree with me, I suggest that there are channels available for the development of such a statement. In my view the problem of clarification or rewriting of the Rule should be referred to the Faculty Advisory Committee or some other committee and to the Board of Trustees for early consideration and consultation and for ultimate action by the Board of Trustees. At the same time, a study could be made of a more satisfactory procedure for notification of just when a guest speaker is to be invited. These procedures could help save unnecessary embarrassment as well as remove the pressure of time in reaching these decisions.

In conclusion, I want to say without bitterness that the past several days have been difficult for the University and for me personally. One of the significant events of the academic year, the International Symposium on the Role of Food in World Peace, was all but buried under the impact of this controversy. Meetings of potential importance to this University were postponed or canceled as I and others dealt with the deluge of material concerning this affair. It is true that all of us attach importance to academic freedom and responsibility. I want only to strengthen our understandings of this freedom and this responsibility as they are defined in our Rules. It is my hope that from this controversy will come a clearer understanding of our roles in promoting the instruction, research, and service efforts of this University. I must and I do rely upon the good faith, the reasonableness, and the good judgment of each one of you every day. I have always tried and shall continue to try to merit the same reliance upon me by you.

/s/ Novice G. Fawcett

May 18, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

C. Alumni Distinguished Teaching Awards

The Alumni Distinguished Teaching Awards presented at the Spring Quarter Faculty Meeting on May 17, 1962 were as follows:

Dr. Theodore N. Beckman, Professor, Department of
Business Organization

Dr. Jack G. Calvert, Professor, Department of Chemistry

Dr. Dwight M. DeLong, Professor, Department of Zoology
and Entomology

Dr. Alma Herbst, Professor, Department of Economics

Dr. Samuel Renshaw, Professor, Department of Psychology

D. Centennial Year Report from the College of Agriculture and Home Economics and the Ohio Agricultural Experiment Station

Dean Roy M. Kottman distributed copies of the publication written by Dean Emeritus Leo L. Rummell entitled, "One Hundred Years of Better Living Through Education and Research in Agriculture and Home Economics." This publication was prepared in commemoration of the Land-Grant Centennial--1862-1962. The Chairman requested the Secretary to send a letter of commendation and appreciation to Dean Emeritus Rummell on behalf of the Board of Trustees.

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XIII. ELECTION OF OFFICERS

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the Board of Trustees elected the following officers whose term of office shall be effective May 19, 1962 and shall continue through the May meeting of the Board of Trustees in 1963:

Chairman - Forrest G. Ketner

Vice Chairman - Thomas F. Patton

Secretary - John T. Mount

Treasurer - Gordon B. Carson

Mr. Patton expressed the gratitude of the Board to Mr. Bricker for his effective and thoughtful leadership as Chairman of the Board and for his loyal and dedicated service to the University.

Mr. Bricker responded by expressing his appreciation to the Board for the privilege of serving as Chairman and indicated that the Chairmanship as well as the past fourteen years of service on the Board had been most challenging and rewarding.

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May 18, 1962 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, June 15, 1962, at The Ohio State University, at ten o'clock.

Attest:

John T. Mount
Secretary

John W. Bricker
Chairman

APPENDIX X

THE OHIO STATE UNIVERSITY

DORMITORY REVENUE BONDS

SERIES E, F, G AND H

THIRD SUPPLEMENTAL TRUST AGREEMENT

THE OHIO STATE UNIVERSITY
DORMITORY REVENUE BONDS
SERIES E, F, G AND H

THIRD SUPPLEMENTAL TRUST AGREEMENT

THIS THIRD SUPPLEMENTAL TRUST AGREEMENT, dated as of the 15th day of April, 1961 (herein called the "Supplement"), by and between The Ohio State University and its Board of Trustees (herein called the "University"), a state university of Ohio, and The Ohio National Bank of Columbus, Columbus, Ohio (herein called the "Trustee"), a corporation duly organized and existing under and by virtue of the laws of the United States, as Trustee under the Trust Agreement dated as of April 15, 1957 hereinafter mentioned.

WITNESSETH:

WHEREAS, the University, pursuant to the Original Bond Resolution, passed April 8, 1957, entered into a Trust Agreement dated as of April 15, 1957 with the Trustee and as of September 1, 1958 and January 1, 1959 respectively entered into First and Second Supplemental Trust Agreements (herein, collectively with the First and Second Supplements and this Supplement, called the "Trust Agreement") under which \$6,000,000 Series A and \$6,000,000 Series B Dormitory Revenue Bonds, dated April 15, 1957, and \$2,330,000 Series C and \$2,030,000 Series D Dormitory Revenue Bonds have been authorized and issued and under which Additional Bonds (herein called "Additional Bonds") are issuable on a parity with the Series A, B, C and D Bonds and other Additional Bonds hereafter issued under certain conditions as provided in the Trust Agreement; and

WHEREAS, the University has in all respects complied with the provisions of the Trust Agreement so as to be entitled at this time to execute and to have authenticated and delivered by the Trustee Additional Bonds consisting of \$5,500,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds, and \$2,850,000 Series H Bonds;

Third Supplemental Trust Agreement

WHEREAS, the University further desires by this Supplement to provide for the issuance under the Trust Agreement of \$10,900,000 of Additional Bonds (herein called the Series E, F, G, and H Bonds) as \$5,500,000 Dormitory Revenue Bonds, Series E, \$1,200,000 Dormitory Revenue Bonds, Series F, \$1,350,000 Dormitory Revenue Bonds, Series G, and \$2,850,000 Dormitory Revenue Bonds, Series H; and

WHEREAS, the Board of Trustees of the University has duly adopted on May 18, 1962, the Series E, F, G, and H Bond Resolution providing for the Series E, F, G, and H Bonds and this Supplement, which resolution, collectively with the Original Bond Resolution, is referred to as the Bond Resolution; and

WHEREAS, the Series E, F, G, and H Bond Resolution is as follows:

RESOLUTION

Providing for the issuance of \$10,900,000 The Ohio State University Series E, F, G, and H Dormitory Revenue Bonds for the purpose of constructing and equipping Married Housing Project No. 2, Dormitory F for Women, and Men's Housing Nos. 1, 2, 3, 4, 5, and 6, and Dining Facilities, Central and South, as Additional Parity Bonds pursuant to Bond Resolution adopted April 8, 1957, and Trust Agreement dated April 15, 1957.

WHEREAS, the Board of Trustees of The Ohio State University (herein called the Board) is vested with the government of The Ohio State University (herein called the University or, when the context admits, collectively with the Board called the University) by Section 3335.02 of the Revised Code of Ohio, with the right, under Section 3335.03 of said Revised Code, and as such Board, of suing and being sued, contracting and being contracted with, and of making and using a common seal and, under Section 3335.10 of said Revised Code, has general supervision of all lands, buildings and other property of the University and control of all expenses therefor; and

WHEREAS, by authority of Section 3345.07 of the Revised Code of Ohio, the Board is authorized to construct, equip, maintain and operate upon sites within, or in close proximity to, the campus of the University, buildings to be used as dormitories

Third Supplemental Trust Agreement

and as other suitable living quarters for students and members of the faculty and servants and wives and families of married students of said University (including all separate or connected buildings, sites, equipment, structures and utilities to be used in connection with the maintenance or operation of, or in any way supplementing or related to the services or facilities to be provided by such buildings) and to pay for the same out of any funds in its possession derived from operation of any dormitories or other living quarters under its control or out of funds borrowed therefor and to borrow funds for such purpose upon such terms as said Board may deem proper and issue notes or other written instruments evidencing such indebtedness provided that such indebtedness shall not be a claim against or lien upon any property of the State or any property of or under the control of said Board excepting such parts of the receipts of the operation of any dormitories under control of the Board as it may pledge to secure the payment of such indebtedness and by authority of said Section 3345.07 the Board is also authorized to issue such notes or other obligations payable as aforesaid in order to retire or refund outstanding notes or other obligations matured or unmatured, to repay moneys previously borrowed or advanced under said section or to reimburse funds of the University for amounts used under said Section 3345.07; and

WHEREAS, the University determined by resolution adopted April 8, 1957 (herein called the Original Bond Resolution) to provide for the issuance of Dormitory Revenue Bonds and pursuant to the Trust Agreement dated as of April 15, 1957 with The Ohio National Bank of Columbus (herein, with the First, Second and Third Supplements, called the Trust Agreement), to pledge the net income of all the dormitory facilities now or hereafter under control of the University, including the dining halls constituting part thereof, and to provide in said Trust Agreement for the issuance of such Bonds (herein called the Bonds) as from time to time authorized subject to the conditions contained in said Trust Agreement and by the Original Bond Resolution and the Trust Agreement provided for the sale of an initial issue of \$12,000,000 consisting of \$6,000,000 Series A Bonds and \$6,000,000 Series B Bonds

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(herein called the Series A and Series B Bonds) and for the issuance from time to time as authorized by the Board of additional Bonds (herein called Additional Bonds) on a parity with said initial series of which \$2,330,000 Series C Bonds and \$2,030,000 Series D Bonds have been authorized and issued;

WHEREAS, there are presently outstanding \$5,845,000 principal amount of Series A Bonds, \$5,562,000 principal amount of Series B Bonds, \$2,300,000 principal amount of Series C Bonds and \$1,800,000 principal amount of Series D Bonds; and

WHEREAS, the University has not pledged or encumbered the revenues from its dormitory facilities except as provided in the Trust Agreement; and

WHEREAS, the University has determined to sell a third issue of \$10,900,000 of Additional Bonds consisting of \$5,500,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds, and \$2,850,000 Series H Bonds (herein called the Series E Bonds, the Series F Bonds, the Series G Bonds, and the Series H Bonds, respectively) all as provided in the Trust Agreement; and

WHEREAS, the Board by the adoption of this resolution has determined and confirmed that it is necessary to provide additional dormitory accommodations and dining facilities and married student apartments located on or in close proximity to the campus of the University and, accordingly, hereby declares and determines that it is immediately necessary to construct and equip additional dormitories known as Dormitory F for Women with accommodations for 486 women, Married Housing Project No. 2 consisting of 16 apartment buildings with apartments for 200 student families, and Men's Housing Nos. 1, 2, 3, 4, 5 and 6 with separate dining facilities for those units, consisting of Dining Facilities Central and South each accommodating 1,200 students (said Women's, Married, Men's Housing Facilities, and the Dining Facilities Buildings and all things incidental thereto being herein referred to as the Project); and

WHEREAS, said Project is to be constructed pursuant to plans approved by the Department of Public Works of Ohio, and prepared by the University Architect

Third Supplemental Trust Agreement

for said Dormitory F for Women, Men's Housing Nos. 1, 2, 3, 4, 5 and 6, and Dining Facilities Central and South, and by Tully & Hobbs, Architects, Columbus, Ohio, for the Married Housing Project No. 2; and

WHEREAS, the University has received estimates from its architect, and, accordingly, estimates the following as the costs of the Project

Cost of Construction, including Architectural and Engineering Fees	\$ 9,780,000
Cost of Movable Equipment	700,000
Capitalized Interest	350,000
Contingencies, including Legal and Administrative	<u>70,000</u>
Total	\$10,900,000

and

WHEREAS, the University has determined to borrow the funds to pay the foregoing costs, and to solicit proposals for the purchase of \$5,500,000 Dormitory Revenue Bonds, Series E, by investment bankers or others to provide funds for movable equipment for, and for a portion of the other costs of, the Project and is entering into a Loan Agreement with the United States acting through the Housing and Home Finance Administrator under which the United States has agreed to purchase the \$1,200,000 Series F Bonds, the \$1,350,000 Series G Bonds, and the \$2,850,000 Series H Bonds, to provide funds for the costs of the Project other than movable equipment and costs not eligible for financing by the Housing and Home Finance Administrator.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University:

Section 1. Purpose of Series E, F, G, and H Bonds. It is hereby determined to be necessary to issue \$10,900,000 of Dormitory Revenue Bonds of the University pursuant to Section 3345.07 of the Revised Code of Ohio and the Trust Agreement dated as of April 15, 1957 for the purpose of paying the costs of the Project and of all things incidental thereto or incidental to the financing thereof, including repayment of moneys

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previously borrowed or advanced for the Project or restoring amounts used for the Project from other funds of the University available for such purposes. Said Bonds, together with the \$6,000,000 Series A Bonds, the \$6,000,000 Series B Bonds, the \$2,330,000 Series C Bonds, the \$2,030,000 Series D Bonds and any other Additional Bonds issued pursuant to the Trust Agreement, shall be payable as provided in Section 9 of the Bond Resolution from the net income of all the dormitory facilities (including married student housing facilities) now or hereafter under the control of the Board (including dining halls), located on or in close proximity to the campus of the University and constructed, equipped, maintained and operated pursuant to said Section 3345.07 of the Revised Code of Ohio.

Section 2. Terms of Series E, F, G and H Bonds. Said \$10,900,000 of Dormitory Revenue Bonds shall be issued as \$5,500,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds and \$2,850,000 Series H Bonds under this Resolution, the Original Bond Resolution, and the Trust Agreement, shall be entitled "The Ohio State University Dormitory Revenue Bonds," shall be dated as determined by the Fiscal Officer of the University and shall be issued as negotiable coupon bonds registrable as to principal, in the denomination of \$1,000, or as fully registered Bond or Bonds without coupons in denominations of \$1,000 or multiples thereof when and as requested by the Original Purchasers of such Bond or Bonds, shall be numbered as determined by a Fiscal Officer of the University, shall bear interest from their date, or from the last interest payment date preceding the date of issue, payable semi-annually on the fifteenth days of April and October of each year at the rates stipulated in its bid by the successful bidder and approved in writing by the President or Fiscal Officer of the University (or, in the case of Bonds purchased by the United States pursuant to Loan Agreement described below, at the rate specified in such Loan Agreement), and shall mature in the following amounts on October 15 of the following years:

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<u>Year of Maturity</u>	<u>Series E Amount</u>	<u>Series F Amount</u>	<u>Series G Amount</u>	<u>Series H Amount</u>
1963	\$ 50,000	\$15,000	\$15,000	\$ 20,000
1964	50,000	15,000	15,000	20,000
1965	60,000	15,000	15,000	20,000
1966	60,000	15,000	15,000	20,000
1967	70,000	15,000	15,000	30,000
1968	70,000	20,000	20,000	30,000
1969	80,000	20,000	20,000	30,000
1970	80,000	20,000	20,000	30,000
1971	90,000	20,000	20,000	40,000
1972	90,000	20,000	20,000	40,000
1973	100,000	25,000	25,000	40,000
1974	100,000	25,000	25,000	40,000
1975	110,000	25,000	25,000	50,000
1976	110,000	25,000	25,000	50,000
1977	120,000	25,000	30,000	50,000
1978	120,000	30,000	30,000	60,000
1979	130,000	30,000	30,000	60,000
1980	130,000	30,000	30,000	60,000
1981	140,000	30,000	35,000	70,000
1982	140,000	30,000	35,000	70,000
1983	150,000	35,000	35,000	70,000
1984	150,000	35,000	35,000	80,000
1985	160,000	35,000	40,000	80,000
1986	160,000	35,000	40,000	80,000
1987	170,000	35,000	40,000	90,000
1988	170,000	40,000	40,000	90,000
1989	180,000	40,000	45,000	100,000
1990	180,000	40,000	45,000	100,000
1991	190,000	40,000	45,000	110,000
1992	190,000	40,000	45,000	110,000
1993	200,000	45,000	50,000	120,000
1994	210,000	45,000	50,000	120,000
1995	220,000	45,000	55,000	130,000
1996	230,000	45,000	60,000	140,000
1997	240,000	45,000	60,000	140,000
1998	250,000	50,000	65,000	150,000
1999	260,000	50,000	65,000	150,000
2000	290,000	50,000	70,000	160,000

The principal and interest of the Series E, F, G and H Bonds shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, at the principal office of the Trustee under the Trust Agreement (said Trustee at the time of issuance of the Series E, F, G and H Bonds being The Ohio National Bank of Columbus, Columbus, Ohio), or, at the option of the holder, at the principal office of Morgan Guaranty Trust Company of New York, in the Borough of Manhattan, City and State of New York except that interest on fully registered bonds is payable by check as provided in

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the Trust Agreement, and principal on fully Registered Bonds may also be payable at such additional place or places, at the option of the holder as shall be designated by the Fiscal Officer of the University. The Series E, F, G and H Bonds are subject to call for redemption prior to maturity at the option of the Board on April 15, 1973 or on any interest payment date thereafter. Each such series shall be callable in the inverse order of the maturities of the Bonds of that series at par and accrued interest to the redemption date plus redemption premiums as follows:

- 4% if called April 15, 1973 to October 15, 1977, inclusive
- 3% if called April 15, 1978 to October 15, 1982, inclusive
- 2% if called April 15, 1983 to October 15, 1987, inclusive
- 1-1/2% if called April 15, 1988 to October 15, 1992, inclusive
- 0% if called thereafter.

If less than all the Series E, F, G or H Bonds of one maturity are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot conducted by the Trustee under the Trust Agreement. Such call for redemption shall be made by notice, specifying the numbers of the Series E, F, G or H Bonds to be called, published by the Trustee on behalf of the University once a week for two consecutive weeks in a financial newspaper of national circulation published in the English language in New York City and in an English language newspaper of general circulation in Columbus, Ohio, the first publication to be not more than forty (40) nor less than thirty (30) days prior to the date of redemption. Any bonds thus called for redemption and for the retirement of which funds are deposited with said Trustee as provided in the Trust Agreement on or before the redemption date shall cease to bear interest on said redemption date. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

The Series E, F, G and H Bonds shall have such other terms and conditions and shall be issued, executed and delivered as provided by the applicable provisions of the Trust Agreement.

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Section 3. Sale of Series E Bonds. The \$5,500,000 Series E Bonds shall be offered for sale, by solicitation of proposals from investment bankers and others or by advertisement or both, to the highest bidder based on the lowest net interest cost, in such manner and on such terms as determined by the President or the Fiscal Officer of the University.

Section 4. Sale of Series F, G and H Bonds. The \$1,200,000 Series F Bonds, the \$1,350,000 Series G Bonds, and the \$2,850,000 Series H Bonds shall be advertised for sale, awarded, issued, authenticated and delivered pursuant to the terms and provisions of the Loan Agreement with the United States of America acting through the Housing and Home Finance Administrator. Any of said Series F, G, or H Bonds awarded to the United States pursuant to said Loan Agreement shall be sold to the United States at par and accrued interest to the date of delivery. Said Series F, G, and H Bonds shall be sold as provided in the Loan Agreement and issued at one time or from time to time to the Original Purchasers thereof upon written request of the Fiscal Officer of the University to the Trustee as provided in the Trust Agreement, provided that any Series F, G, or H Bonds sold to the United States, acting through said Administrator, shall be issued at such time as shall be provided for in said Loan Agreement.

Section 5. Allocation of Proceeds of Series E, F, G and H Bonds. The proceeds from the sale of Series E, F, G, and H Bonds shall be allocated and applied by the University as follows:

(1) The portion representing accrued interest to the Debt Service Fund provided for in the original Trust Agreement to be held by the Trustee, and the portion representing premium above par paid to the University for such Bonds, to the Debt Service Reserve Fund so provided for.

(2) From the proceeds of the Series E Bonds such amount as is verified by the fiscal officer of the University to be needed for the purchase of movable equipment for the project to the "Equipment Fund"

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hereby established to be held and applied to provide such movable equipment for the project in the same manner as the Equipment Fund provided for in the original Trust Agreement with respect to the Series A and B Bonds. Any balance in the Equipment Fund not needed for such purposes shall be transferred to the Construction Fund.

(3) To the University the amounts necessary to reimburse the University for amounts expended by it on construction of the project prior to issuance of the Series E, F, G, and H Bonds.

(4) The balance to the Construction Fund to be held by the Trustee to complete construction of the project and to pay, or secure by pledge or otherwise on such terms as the Fiscal Officer shall determine, any or all expenses of the project and the financing thereof (including any amounts borrowed by the University to pay project costs and interest thereon, capitalized interest, legal, engineering, and administrative expenses, and inspection costs, and all other Project Development costs under the Loan Agreement). After payment of all said costs the balance in the Construction Fund shall be applied as follows: 54/109 to retirement at par plus accrued interest in inverse order of maturity of Series F, G, and H Bonds if any then held by the United States and the portion not needed for such retirement of Series F, G, and H Bonds shall be transferred to the Debt Service Reserve Fund.

No part of the proceeds of Series F, G, or H Bonds sold to the United States acting through the Housing and Home Finance Agency shall be used to pay costs (including cost of movable equipment or fees of a financial advisor) which, under the rules, regulations or practices of the Housing and Home Finance Agency, may not be paid from proceeds of bonds purchased by the United States through that agency, and proceeds of Series F, G, and H Bonds purchased by the United States

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as aforesaid shall be segregated in the Construction Fund to the extent necessary to effect the foregoing.

The Trustee shall apply said Construction Fund and Equipment Fund to the payment of such items as from time to time are requested in writing by a Fiscal Officer of the University. Such written request shall include a certification by such official that the amount to be paid from such Construction Fund or such Equipment Fund constitutes authorized payments from such fund under the foregoing provisions of this Section 5. If the payment is to be made with respect to an obligation under a construction contract relating to the Project, such written request shall further certify that such payment was certified as due under such contract by a qualified architect or engineer. If the payment is to be made from proceeds of Series F, G, or H Bonds sold to the United States acting through the Housing and Home Finance Administrator, the (1) said certificate shall certify that the costs to which such payment is to be applied constitute costs which may be paid from such proceeds under the rules, regulations and practices of the Housing and Home Finance Agency, and (2) if the United States so acting shall purchase any of the Series F, G, or H Bonds, and so long as it shall hold any thereof, such payment shall be subject to such prior written approval of a representative of said agency as may be required in writing by said Administrator.

The Equipment Fund and the Construction Fund shall be invested by the Trustee in such direct obligations of the United States as shall be directed in writing by the President or a Fiscal Officer of the University, which writing shall designate maturities and amounts which, as nearly as practicable, would, through maturities, provide funds when needed to pay costs for which the respective funds have been established. Such investments and the proceeds of sale thereof may be applied by the Fiscal Officer to any authorized purpose of Construction Fund and shall constitute part of the fund from which the investment was made. Interest on such investments may be paid to the Dormitory Revenue Fund or applied to the purposes of the fund from which the investment was made as from time to time determined by a Fiscal

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Officer of the University. The said investments shall be applied, transferred, delivered, sold, exchanged or collected from time to time as directed in writing by the Fiscal Officer of the University and the Trustee shall be under no liability provided the directions of said officers are followed.

Section 6. Additional Bonds. (a) The Board shall have the right from time to time to issue Additional Bonds under the Trust Agreement if necessary to pay the costs of completing the Project or completing any projects for which Series E, F, G, or H or Additional Bonds, are issued. The Trustee shall authenticate and deliver such Bonds upon (but only upon) receipt of the documents required by Section 2.03 of the Trust Agreement. Nothing herein or in the Trust Agreement shall require any earnings coverage, or certificate with respect thereto, in connection with Additional Bonds issued for completion of a project.

(b) The Board shall also have the right from time to time to issue Additional Bonds under the Trust Agreement to provide funds for purposes authorized by Section 3345.07 of the Revised Code of Ohio, including construction and equipment by the University of buildings to be used as dormitories or as other living quarters or the refunding of outstanding bonds or notes issued under said Section 3345.07. The Trustee shall authenticate and deliver under the Trust Agreement Additional Bonds issued under this subdivision (b) if, (but only if), when such Additional Bonds are issued, the University shall have furnished to the Trustee in addition to the documents required by Section 2.03 of the Trust Agreement, a certificate of the President and the Fiscal Officer of the University, approved by the Board of Trustees, (1) showing that (a) the actual net income from the dormitory facilities of the University (excluding net income from any dormitory facility which is to be abandoned or which is not suitable for continuous use as a dormitory facility for the term of such Additional Bonds) for the preceding fiscal year, as adjusted, if necessary, to reflect the schedule of rates and charges to become effective at the beginning of the next semester, quarter or other school period and to give recognition to any anticipated changes in operating costs; plus (b) the estimated annual net income of the

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dormitory facilities to be financed through the proceeds of the sale of such Additional Bonds will be equal to or greater than one and three-tenths (1.3) times the maximum amount to become due in any succeeding fiscal year for the payment of principal and interest charges on the Bonds then outstanding hereunder and on the Bonds then to be authenticated and delivered; (2) showing that, until the dormitory facility being constructed from the proceeds of the Additional Bonds, is ready for occupancy, funds then available from net income, bond proceeds, gifts, legacies, devises or grants or other sources for payment when due of principal and interest on the Bonds will be at least one and three-tenths (1.3) times the principal and interest requirements for that period; (3) showing that there were not included in net income any receipts against which there is any prior claim other than the use thereof for the operating expenses included in computing the net income; (4) furnishing such other information in support of the foregoing as may reasonably be requested by the Trustee; (5) showing that the computations of estimates provided for above are based on an assumed occupancy of not more than 95% of capacity of the dormitory facilities in question.

The first call date on Additional Bonds shall not be earlier than the first call date on any issue of Bonds outstanding at the time of issue of such Additional Bonds.

Section 7. Terms of the Bonds Generally. As used in this Resolution, the term "Bonds" refers to the Series A, B, C, D, E, F, G and H Bonds and all Additional Bonds issued on a parity therewith under the Trust Agreement. The Bonds shall be designated The Ohio State University Dormitory Revenue Bonds, shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, shall be negotiable instruments (except when registered), shall express upon their face the purpose for which they are issued, and shall be issued pursuant to Section 3345.07 of the Revised Code of Ohio. Unless otherwise provided by the Board, the Bonds shall be signed by the Chairman of the Board or bear his facsimile signature, shall be signed by the President of the University or bear his facsimile signature, shall be attested by the Secretary of the Board or by the Vice President, Business and Finance of the University, and shall be

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sealed with the seal of the University or a facsimile thereof, and interest coupons attached to the Bonds shall bear the facsimile signature of the Secretary of the Board or of the Vice President, Business and Finance of the University. In case any officer whose signature or a facsimile of whose signature shall appear on any Bonds or coupons shall cease to be such officer before the delivery of such Bonds, such signature or such facsimile shall nevertheless be valid and sufficient for all purposes, the same as if he had remained in office until such delivery. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time. The Additional Bonds shall bear such designations as may be necessary to distinguish them from the Series A, B, C, D, E, F, G and H Bonds or other Additional Bonds having different provisions and shall have maturities, interest rates, interest payment dates, redemption provisions, denominations, registration provisions, and other provisions as provided in the Resolution providing for issuance of the Additional Bonds, provided, however, that such terms and provisions shall not be inconsistent with this Resolution, the Trust Agreement or the then outstanding Bonds. On the terms provided herein, in the Trust Agreement and in the Bonds, the Bonds shall be equally and ratably payable from and secured by pledge of, the receipts from the operation of all dormitory facilities now or hereafter under control of the Board including the dining facilities constituting a part thereof, after provision for reasonable and proper expenses of operation and maintenance of such facilities; and anything in this Resolution, the Bonds or the Trust Agreement to the contrary notwithstanding, neither this Resolution, the Bonds, nor the Trust Agreement shall be a claim against or a lien upon any property of the State of Ohio or any property of or under the control of the Board except the portion of said receipts pledged, as provided herein; provided, however, that nothing herein shall be deemed to prohibit the University, of its own volition, from using, or pledging,

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to the extent it is lawfully authorized to do so, any of its other resources or revenues for the fulfillment of any of the terms, conditions or obligations of the Trust Agreement, this Resolution, or any of the bonds.

Section 8. Covenants of the University. The University covenants with the holders of the Bonds and with the Trustee under the Trust Agreement that (a) it will adopt and maintain so long as any of the Bonds are outstanding such parietal rules, and charge and collect such rental rates and charges, from time to time, as may be necessary to assure such occupancy and use of, and receipts from, the dormitory facilities as will pay the costs of maintenance and operation and provide for the payment of the principal of and interest on the Bonds and other payments to Special Funds required by Section 9 of this resolution; (b) from funds lawfully available, it will cause the Project and any project to be constructed from the proceeds of Additional Bonds to be completed and equipped in an efficient and economical manner with reasonable dispatch and in a manner consistent with the plans and recommendations of responsible architects and all applicable laws, ordinances and regulations; (c) subject to the right of abandonment under conditions provided in the Trust Agreement designed to prevent adverse effect of such abandonment on the expected earnings coverage of Debt Service, it will, from the dormitory receipts pledged under this resolution and as part of the operating expenses, maintain, preserve and keep the dormitory facilities in good repair, working order and operating condition and continuously operate the same on a revenue producing basis, and will apply the receipts therefrom only as provided in Section 9 of this Resolution and in the Trust Agreement; (d) it will furnish to the Trustee and the Original Purchasers of the Bonds within 120 days after the close of each fiscal year an annual report of the accounts (including each Special Fund provided for in Section 9 of this Resolution) and operations of the dormitory facilities prepared by qualified accountants approved by the Trustee; (e) it will keep proper books of record and accounts separate from all other records and accounts, in which complete and correct entries will be made of all transactions

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relating to the dormitory facilities and will at all reasonable times permit the Trustee, the Original Purchasers or any holder or holders of 25% of the outstanding Bonds, or their authorized representatives, to inspect the dormitory facilities and any books, documents and vouchers relating thereto; (f) it will furnish heat, light, power, water and other necessary services to the dormitory facilities at not in excess of reasonable cost; (g) it will comply with all the terms and conditions of the respective Loan Agreements with the Housing and Home Finance Agency as long as the United States holds any of the Series B, D, F or G or H Bonds; (h) it will insure the dormitory facilities as required by the Trust Agreement and apply the proceeds of such insurance as provided therein; and (i) it will observe and perform all its agreements and obligations provided for by the Bonds, the Trust Agreement or the Bond Resolution.

Section 9. Application of Receipts; Special Funds. There was established by the Original Bond Resolution a Special Fund designated "Dormitory Revenue Fund," which fund shall be maintained in a bank account, or invested as herein authorized, in the name of the University separate and distinct from all other funds of the University and, subject to the withdrawals and uses herein authorized, is pledged to and charged with the payment of the principal, interest, and premium, if any, on all the Bonds issued under the Trust Agreement.

Under the Original Bond Resolution there shall be maintained in the Dormitory Revenue Fund, as an Operating Reserve, such amount as is from time to time certified by the Fiscal Officer of the University as adequate and necessary for working capital for operation and maintenance of the dormitory facilities; provided, that such Operating Reserve shall not exceed one-fourth of the operating and maintenance expenses of the dormitory facilities for the preceding 12 months.

All receipts from dormitory facilities now or hereafter under the control of the Board, including the dining halls constituting part thereof, shall be deposited in the Dormitory Revenue Fund.

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The Dormitory Revenue Fund, including the Operating Reserve, shall be applied to pay when due all reasonable and proper expenses of operation and maintenance (as defined in Section 11) of the dormitory facilities, excluding extraordinary repair and replacement expenses payable from the Contingency Repair and Replacement Fund and expenses of or provision for depreciation or capital replacement.

The remainder of the Dormitory Revenue Fund, after retaining therein the then current Operating Reserve and payment of said operation and maintenance expenses then due, shall be applied as provided in the Original Bond Resolution, namely, as follows and in the following order of priority:

First: Into the Debt Service Fund, to be held by the Trustee as a separate fund and used for the payment of principal and interest on the Bonds, the amounts provided in the Original Bond Resolution and in the Bond Resolution relating to the Series C and D Bonds for payment of principal and interest on the Series A, B, C and D Bonds and, in addition, (1) on or before April 1 and October 1 of each year an amount equal to the interest due on the next ensuing interest payment date in that year on all Series E, F, G and H Bonds then outstanding; provided, that, the amount so payable on any such date into the Debt Service Fund shall be reduced by the amount then remaining in said Debt Service Fund from the accrued interest and from the funds deposited therein for capitalized interest pursuant to Section 5 of this Resolution; (2) on or before April 1 and October 1 of each year, the equal semi-annual amounts necessary to provide for payment of any principal maturity in that year on Series E, F, G and H Bonds; (3) if Additional Bonds shall be issued under the Trust Agreement, such additional amounts and at such times as specified in the resolution authorizing such Additional Bonds, which amounts shall be not less than necessary to provide in the Debt Service Fund amounts, in addition to the amounts hereinbefore provided for the Series A, B, C, D, E, F, G and H Bonds, sufficient to pay in full interest and principal on all Additional Bonds then outstanding, as the same shall become due and payable provided that no payments need be made to the Debt Service Fund so long as

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the amounts in the Debt Service Fund and Debt Service Reserve Fund aggregate at least the total principal and interest payable on all Bonds then outstanding to the dates of their respective maturities.

Second: Into the Debt Service Reserve Fund, to be held by the Trustee as a separate fund for the payment of principal and interest on, and purchase or redemption of, the Bonds as herein provided, on or before April 1 and October 1 of each year and on such other dates as amounts are payable into the Debt Service Fund with respect to Additional Bonds, such amounts as are necessary to create and maintain in said Debt Service Reserve Fund the required reserve, namely, an amount equal to the maximum principal and interest requirements for any consecutive two-year period on all Bonds at the time outstanding;

Third: Into the Contingency Repair and Replacement Fund, to be held by the University as a fund separate and distinct from all other funds of the University, semi-annually on or before April 1 and October 1 of each year, or as soon thereafter as the required reserve has been established in the Debt Service Reserve Fund, an amount equal to one-quarter of one per cent of the cost of construction on all dormitory facilities then under the control of the Board and 3 per cent of the cost of movable equipment for all such dormitory facilities, which fund may be used by the University to the extent necessary for payment of principal and interest on the Bonds or for extraordinary repairs and replacements to the dormitory facilities or for construction or equipping of additional dormitory facilities;

Fourth: On April 1 and October 1 of each year, to the foregoing funds, such amounts as may be necessary to make up any previous deficiency in any deposits required by the foregoing paragraphs of this section;

Fifth: So long as there is no deficiency in any of the deposits provided for in Paragraphs First through Fourth above and so long as the amounts in the Debt Service Reserve Fund are at least equal to the then required reserve, any amounts in the Dormitory Revenue Fund, after reserving therein the then current Operating Reserve, may be used for any purpose of the University for which such funds may lawfully be use

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The Debt Service Fund is irrevocably pledged to and shall be used by the Trustee for the payment of principal and interest on the Bonds and, until required for such purposes, shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing addressed to the Trustee, which writing shall determine that the maturity of the respective obligations is not later than the date on which such funds will be required for payment of such principal and interest. The Trustee shall transfer from the Debt Service Fund to the Paying Agents amounts sufficient to enable said Paying Agents to pay when due principal and interest on the Bonds, or the Trustee shall make such credit arrangements with said Paying Agents as to permit such payments.

The Debt Service Reserve Fund is irrevocably pledged to, and shall be used by the Trustee for, the payment of principal and interest on the Bonds if other available funds are insufficient for that purpose and, to the extent herein provided, for purchase or redemption of Bonds. Until required for such purposes it shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing, which obligations shall mature not more than five years from the date of investment. The Trustee shall transfer from the Debt Service Reserve Fund to the Debt Service Fund such amounts as are necessary in addition to amounts available in the Debt Service Fund, including funds transferred from the Contingency Repair and Replacement Fund, to enable said Paying Agents to pay when due the principal and interest on the Bonds.

Any amounts in the Debt Service Reserve Fund in excess of the required reserve provided for in Paragraph Second above shall be used to purchase Bonds for retirement or to redeem Bonds then subject to redemption to the extent and in the manner from time to time requested in writing by the President and the Fiscal Officer of the University. In calculating at any time whether additional amounts are required to be paid into the Debt Service Reserve Fund under Paragraph Second above and in calculating the excess over the required reserve, no value shall be given to any

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investments of the fund other than direct obligations of the United States maturing within five years from the date of such calculation, but, in all other respects, such investments shall be valued at their face amount or market value, whichever is lower.

The Contingency Repair and Replacement Fund is irrevocably pledged to, and shall be used by the University for, extraordinary repairs and replacements to the dormitory facilities or to construct or equip additional dormitory facilities or for the retirement of all then outstanding Bonds by purchase or redemption or for payment of the principal and interest by transfer to the Debt Service Fund as herein provided. The University shall transfer from the Contingency Repair and Replacement Fund to the Debt Service Fund such amounts as are from time to time necessary, in addition to the other amounts available in the Debt Service Fund and without use of the Debt Service Reserve Fund, to provide for the payment, when due, of the principal and interest on the Bonds and shall not use any of this fund for repairs or replacement or additional facilities if there is any deficiency in any of the deposits required to be made under sub-paragraphs First or Second of this Section. Until required for such purposes, the Contingency Repair and Replacement Fund may be invested by the President and the Fiscal Officer of the University in direct obligations of the United States maturing not more than five years from the date of investment.

Investments made pursuant to this Section 9 of any amounts in any Special Fund herein created and the interest thereon and the proceeds thereof shall constitute part of that Special Fund and be added to that particular fund. Such investments shall be sold, exchanged or collected from time to time as directed by the President and the Fiscal Officer of the University, and the Trustee shall be under no liability and have no responsibility in connection with such investment, or the sale, exchange or collection thereof, provided the directions of said officers are followed.

Section 10. Trust Agreement. In order to secure the payment of the principal and interest on the Bonds, the President of the University and the Chairman of the Board of Trustees, and each of them, are authorized to execute, acknowledge and

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deliver as may be appropriate the Third Supplemental Trust Agreement in substantially the form attached hereto, and the Secretary of the Board of Trustees is authorized to seal and attest the same, with such changes not unfavorable to the University as the officers acting shall deem advisable and as shall be approved by the Original Purchasers of the Series E, F, G and H Bonds. The terms and provisions of the Trust Agreement are hereby confirmed and adopted and the terms of said Trust Agreement purporting to be applicable to the Series A and Series B Bonds or to the Project to be constructed from the proceeds of the Series A and Series B Bonds shall be deemed equally applicable to the Series E, F, G and H Bonds and the Project covered by this Resolution to the extent that the same are not inconsistent with the terms or provisions of this Resolution and the context so permits.

Section 11. Definitions. Where the context permits, the following terms as used in this Resolution or in the Trust Agreement shall have the following meanings: (1) "the Fiscal Officer" shall mean the Vice President, Business and Finance, of the University or any official or employee performing the duties of such officer for the time being. The Comptroller, or any official or employee performing the duties of such officer for the time being, shall also be "a Fiscal Officer" when the context so permits; (2) "Additional Bonds" shall mean Bonds issued pursuant to the Trust Agreement in addition to and on a parity with the Series A, B, C, D, E, F, G and H Bonds, and "Bonds" shall mean both the Series A, B, C, D, E, F, G and H Bonds and Additional Bonds; (3) "Agreement" or "Trust Agreement" shall refer to the Trust Agreement dated as of April 15, 1957 as from time to time supplemented pursuant to its terms; (4) "Dormitory Facilities" shall mean buildings, groups of buildings or parts of or additions to buildings, including the sites therefor, now or hereafter constructed acquired by or under the control of the Board and authorized to be constructed, equipped, maintained and operated by Section 3345.07 of the Revised Code of Ohio, including the dormitories, additions to dormitories, dining facilities, and married student housing facilities or projects and all separate or connected buildings, sites, equipment,

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structures and utilities to be used in connection with the maintenance or operation of, or in any supplementing or related to the services or facilities to be provided by such buildings located on or in close proximity to the campus; (5) "Net Income" shall mean all receipts of the operation of dormitory facilities after deducting therefrom the reasonable and proper operating and maintenance expenses thereof; (6) "Reasonable and Proper Operating and Maintenance Expenses" shall mean ordinary and usual reasonable expenditures necessary to the operation, repair and maintenance of the dormitory facilities including, without limiting the generality of the foregoing, taxes, fees and expenses of the Trustee and paying agents and any expenses required to be paid by the Bond Resolution or the Trust Agreement, but excluding provision or expenditure for depreciation or capital replacement or expenditures for administration or regulation of the occupants of the dormitory facilities which expenditures do not constitute costs of the type included as costs of operation of the dormitory facilities under the present accounting practice of the University or expenditures for extraordinary repairs or replacements or payments to the Debt Service Fund, Debt Service Reserve Fund or Contingency Repair and Replacement Fund; (7) "Trustee" refers to the Trustee under the Trust Agreement, presently The Ohio National Bank of Columbus (8) Any reference to an officer of the University or of the Board in this Resolution shall refer to the person holding such office or, in the event of resignation, absence, incapacity or vacancy in such office, then the person performing the duties of such office; any reference to Section 3345.07 of the Revised Code of Ohio shall, where the context permits, mean said section as it now exists and as it is from time to time amended, supplemented or affected by later legislation.

Section 12. General. The appropriate officers of the University and the Board, the architects and engineers employed by the University, and the Trustee designated in the Trust Agreement are authorized and directed to do all things necessary or proper to carry out the terms and provisions of this Resolution, the Trust Agreement, the sale referred to in Section 3 above and the Loan Agreement

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referred to in Section 4 above, and to effect the execution, sale and delivery of said Series E, F, G and H Bonds in accordance therewith if approved by the President and Fiscal Officer of the University. It may be required as part of the terms of sale of the Series E, F, G or H Bonds that prior to or at the time of delivery of either the Series E, F, G or H Bonds there shall have been executed and delivered contracts for construction of the principal portions of the Project and provisions shall have been made for obtaining sufficient amounts to pay all costs of the Project as estimated by the Project architect. The obligations imposed upon the University under this Resolution or the Trust Agreement are established as duties specifically enjoined upon the University, the Board and the officials of the University by law and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Revised Code of Ohio.

Whereas, the texts of the Series E, F, G and H Bonds and the coupons, if any, to be attached thereto and the authentication certificate of the Trustee to be endorsed thereon are to be substantially as follows:

(Form of Coupon Bond)

The form of Coupon Bond shall be identical with the form of Coupon Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate and corresponding coupon form in said Coupon Bond the following paragraphs and coupon form:

This Bond is a Series _____ Bond and is one of a duly authorized issue of \$10,900,000 of Dormitory Revenue Bonds, consisting of \$5,500,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds, and \$2,850,000 Series H Bonds of the University, issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the Resolutions of the Board of Trustees of April 8, 1957 and May 18, 1962 (herein collectively called the "Bond Resolution") for the purpose of

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paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second and Third Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1973, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows: four per cent (4%) if redeemed 1973 to 1977 inclusive; three per cent (3%) if redeemed 1975 to 1981, inclusive; two per cent (2%) if redeemed 1983 to 1987, inclusive; one and one-half per cent (1-1/2%) if redeemed 1988 to 1992, inclusive; and without premium if redeemed after 1992. If less than all the Bonds (or parts of Registered Bonds) of one maturity and of one series are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

* * * * *

The Series A, B, C, D, E, F, G and H Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior

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pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

* * * * *

In Witness Whereof, The Ohio State University and its Board of Trustees, jointly and severally, have caused this Bond to be signed by the facsimile signatures of the Chairman of the Board of Trustees and of the President of the University and to be attested by the Vice President, Business and Finance, of the University and to bear a facsimile of the seal of the University and the interest coupons attached hereto to bear the facsimile signature of the Secretary of the Board of Trustees, all as of _____.

* * * * *

(Form of Trustee's Authentication Certificate)

Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Third Supplemental Trust Agreement dated as of April 15, 1961.

The Ohio National Bank of Columbus,
Trustee

By _____
Authorized Officer

* * * * *

(Form of Coupon)

On the _____ day of _____, 19____, unless the bond to which this coupon is attached has been called for previous redemption, The Ohio State University and its Board of Trustees, as such

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Trustees and not individually, will pay to bearer, but only from the sources and in the manner provided in the Trust Agreement dated April 15, 1957, and supplement thereto dated April 15, 1961, between the said University and said Board and The Ohio National Bank of Columbus, as Trustee, and not from the general or ordinary funds of the State of Ohio or said Board or University, on the surrender of this coupon at the principal office of The Ohio National Bank of Columbus, Columbus, Ohio, or, at the option of the holder, at the principal office of Guaranty Trust Company of New York in the Borough of Manhattan, City and State of New York

Dollars \$ _____ in lawful money of the United State of America, being interest then due on The Ohio State University Dormitory Revenue Bond, Series _____ dated _____.

(Facsimile Signature)

Bond No.
Coupon No.

Secretary of the Board of Trustees

(Form of Fully Registered Bond of Single Maturity)

The form of Registered Bonds without coupons of single maturity shall be identical with the form of Registered Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate in said Registered Bond the following paragraphs:

* * * * *

This Bond is a Series _____ Bond and is one of a duly authorized issue of \$10,900,000 of Dormitory Revenue Bonds, consisting of \$5,500,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds and \$2,850,000 Series H Bonds of the University,

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issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board of Trustees of April 8, 1957 and May 18, 1962 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second and Third Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1973, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows:

four per cent (4%) if redeemed 1973 to 1977, inclusive; three per cent (3%) if redeemed 1978 to 1982, inclusive; two per cent (2%) if redeemed 1982 to 1987, inclusive; one and one-half per cent (1-1/2%) if redeemed 1988 to 1992, inclusive; and without premium if redeemed after 1992. If less than all the Bonds (or parts of registered Bonds) of one maturity and of one series are to be called, the coupon bonds or portions of fully registered bonds of such series and of that maturity to be called be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

* * * * *

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The Series A, B, C, D, E, F, G and H Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

* * * * *

(Form of Trustee's Authentication Certificate) Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Third Supplemental Trust Agreement dated as of April 15, 1961.

THE OHIO NATIONAL BANK OF COLUMBUS,
Trustee

By _____
Authorized Officer

* * * * *

(Form of Single Fully Registered Bond Covering More Than One Maturity)

The form of Single Fully Registered Bond without coupons shall be identical with the form of Single Fully Registered Bond set forth in First Supplement to Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate the following paragraphs:

* * * * *

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This Bond, designated as The Ohio State University Dormitory Revenue Bond, _____ (herein referred to as the Bond), is issued in lieu of an issue of a like principal amount of serial coupon bonds of similar designation maturing in the amounts and on the dates of the above installments, bearing interest at the same rate and each in the denomination of \$1,000, and with the above coupon bonds, is authorized to be issued, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board adopted April 8, 1957, and May 18, 1962 (herein collectively called the Bond Resolution) and the Supplemental Trust Agreement described below, for the purpose of paying the costs of constructing and equipping certain dormitory facilities and repaying advances made for that purpose and is secured by Trust Agreement dated as of April 15, 1957, as supplemented by the First, Second and Third Supplemental Trust Agreements between the University and The Ohio National Bank of Columbus as Trustee (herein called the Trust Agreement). This Bond is exchangeable at the sole expense of the University at any time, upon 90 days notice, at the request of the registered owner hereof and upon surrender of this Bond at the office of the Trustee, together with an assignment and instructions duly executed by the registered owner in such form as shall be satisfactory to the Trustee, for Coupon Bonds authorized by the Trust Agreement bearing interest payable on the same dates and at the same rate and maturing in the same amounts and on the same dates as the then unpaid installments of this Bond, with coupons attached representing all unpaid interest due or to become due thereon, or for single maturity registered bonds without coupons authorized by the Trust Agreement bearing interest payable on the same dates and at the same rate and maturing in the same amounts and on the same dates as the then unpaid installments of this Bond.

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* * * * *

The Series A, B, C, D, E, F, G and H Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Trust Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Trust Agreement after provision only for reasonable operating and maintenance expenses thereof.

* * * * *

(Form of Trustee's Authentication Certificate)

Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Third Supplemental Trust Agreement dated as of April 15, 1961.

THE OHIO NATIONAL BANK OF COLUMBUS,
Trustee

By _____
Authorized Officer

NOW, THEREFORE, THIS SUPPLEMENTAL TRUST AGREEMENT, WITNESSETH that in order to secure the payment of the principal of and interest on the Bonds according to their true intent and meaning, and to secure the performance and observance of all covenants and conditions therein and herein, in the Bond Resolution and in the Trust Agreement contained, and for and in consideration of the premises and of the purchase and acceptance of the Bonds by the holders thereof from time to time, and the acceptance by the Trustee of the further trusts hereby created, and for other good and valuable considerations, the receipt of which is hereby acknowledged, the University has executed and delivered this Third Supplemental Agreement.

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IN TRUST, NEVERTHELESS, upon the terms and trusts in the Trust Agreement and in this Supplement set forth for the equal and proportionate benefit and security of all present and future holders of the Bonds and appurtenant coupons issued or to be issued under and secured by the said agreements, without preference, priority or distinction, as to lien or otherwise, of any one bond or coupon over any other by reason of priority in the time of the issue or negotiation thereof or otherwise, except as may be otherwise expressly provided in said Trust Agreement.

AND IT IS HEREBY COVENANTED AND DECLARED by the University with the Trustee and its successors in the trust under the Trust Agreement for the benefit of those who shall hold such Bonds and appurtenant coupons at any time issued and outstanding under the Trust Agreement as follows:

Section 1. Incorporation of Bond Resolution. The Series E, F, G and H Bond Resolution is hereby made a part of this Supplement and of the Trust Agreement.

Section 2. Form, Execution and Delivery of Series E, F, G and H Bonds. The Series E, F, G and H Bonds shall be executed, authenticated and delivered as provided herein, and said Series E, F, G and H Bonds, the coupons to be attached thereto, and the certificate of authentication of the Trustee to be endorsed thereon shall be substantially in the form provided herein with any necessary modifications to conform hereto and to any requirements of the Housing and Home Finance Agency if the United States purchases any of said Series F, G or H Bonds.

Section 3. Proceeds of Sale. The proceeds from the sale of the Series E, F, G and H Bonds shall be applied as provided in the Bond Resolution.

Section 4. Concerning the Trustee. The Trustee hereby accepts the trusts hereby declared and provided and agrees to perform the same upon the terms and conditions in the Trust Agreement and in this or any other Supplement set forth.

The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplement or the due execution thereof by the University, nor for or in respect of the recitals herein contained, all of which

Third Supplemental Trust Agreement

recitals are made by the University solely. In general, each and every term and condition contained in the Original Trust Agreement shall apply to this Supplement, with such omissions, variations and modifications thereof as may be appropriate to make the same conform to this Supplement.

IN WITNESS WHEREOF, the Board of Trustees has caused this Third Supplemental Trust Agreement to be executed and its seal to be hereto affixed and The Ohio National Bank of Columbus, Columbus, Ohio, as Trustee, in token of its acceptance of the trusts created hereunder, has caused this Third Supplemental Trust Agreement to be executed and has caused its seal to be hereunto affixed all as of the day and year first above written.

(Seal) THE OHIO STATE UNIVERSITY
and
THE BOARD OF AND TRUSTEES OF
THE OHIO STATE UNIVERSITY

Attest: By _____
President

Secretary

And By _____
Chairman of the Board

(Seal) THE OHIO NATIONAL BANK OF COLUMBUS,
Trustee

Attest: By _____
Vice President

Trust Officer

STATE OF OHIO)
) SS:
COUNTY OF FRANKLIN)

On this _____ day of _____, 1962, before me a Notary Public in and for said County and State personally appeared _____ and _____, the President and the Chairman of the Board, respectively, of The Ohio State University, and acknowledge the execution of the foregoing instrument, and that the same is their voluntary act and deed on behalf of said University and its Board of Trustees and the voluntary act and deed of said University and Board of Trustees.

Third Supplemental Trust Agreement

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

Notary Public

(Seal)

STATE OF OHIO)
) SS:
COUNTY OF FRANKLIN)

On this _____ day of _____, 1962, before me a Notary Public in and for said County and State personally appeared _____ and _____, Vice President and Trust Officer respectively of The Ohio National Bank of Columbus, the bank which executed the foregoing instrument as Trustee, who acknowledge that the seal affixed to said instrument is the seal of said bank, that they did sign said instrument as such officers, respectively, for and on behalf of said bank and by authority granted in its rules and regulations and by its Board of Directors; that the same is their free act and deed as such officers, respectively, and the free act and deed of said The Ohio National Bank of Columbus.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

Notary Public

(Seal)

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APPENDIX XI

THE OHIO STATE UNIVERSITY COMMENCEMENT

June 8, 1962

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GRADUATE SCHOOL

Dean: EVERETT WALTERS

Doctor of Philosophy

- T. A. Abraham, B.Sc. (University of Madras) ; M.S. (Boston College)
Mylapra Post, Kerala, India
Dissertation: Physiological Characteristics of Actinomycetes from the Rhizosphere and Non-Rhizosphere Soils of Corn and Soybean
Field of Specialization: Botany and Plant Pathology
- Robert Albanese, B.Sc. in Bus.Adm., M.B.A.....Columbus
Dissertation: A Case Study of an Executive Development Program
Field of Specialization: Business Organization
- Shahir Uddin Alvi, B.A. (Lucknow University) ; B.Ed. (Aligarh Muslim University) ; M.A.....Chittagong, Pakistan
Dissertation: Issues and Objectives in the Development of Primary Education in Pakistan
Field of Specialization: Education
- Arthur Leland Barry, B.S. in Med.Tech. (Gonzaga University) ; M.S. (State College of Washington)Pullman, Washington
Dissertation: Problems Encountered in Routine Antibiotic Sensitivity Testing
Field of Specialization: Microbiology
- Frank Edward Battocletti, B.E.E., M.Sc.....Bridgeport
Dissertation: A Two-Terminal Silicon Pulse Generator Utilizing a Floating P-N Junction
Field of Specialization: Electrical Engineering
- Ralph Oliver Blackwood, B.A. (Muskingum College) ; M.A...Sterling, Kan.
Dissertation: Operant Conditioning as a Method of Training the Mentally Retarded
Field of Specialization: Psychology
- Weston Blake, Jr., A.B. (Dartmouth College) ; M.S. (McGill University)
Weston, Mass.
Dissertation: Geomorphology and Glacial Geology in Nordaustlandet, Spitsbergen
Field of Specialization: Geology
- Burton Dale Brubaker, B.Cer.E., M.Sc.....Tiffin
Dissertation: Residual Stress Development in Laminated Ceramic Bodies
Field of Specialization: Ceramic Engineering
- Stephen David Buell, B.S., M.S. (North Texas State College)
Huntington, W. Va.
Dissertation: The History and Development of WSAZ-TV, Channel 3, Huntington, West Virginia
Field of Specialization: Speech
- Robert Lee Carlson, B.S.M.E., M.S. in Engr. (Purdue University)
Columbus
Dissertation: A Study of Column Creep
Field of Specialization: Engineering Mechanics
- Alejandro J. Casambre, B.S.Edu. (University of the Philippines) ; M.A.
Quezon City, P. I.
Dissertation: The Effects of Certain Variables in Informative Speaking on Listener Comprehension
Field of Specialization: Speech

- Mahabir Singh Chaudhry, B.S. in Ag. (Agra University) Meerut, U.P., India
Dissertation: Effects of Plant Root Environments on Nutrient Uptake by Rice
Field of Specialization: Agronomy
- Johnny Adam Chisler, B.Sc. in Agr., M.Sc. Mt. Clare, W. Va.
Dissertation: Interruption of the Syndrome of Fusarium Wilt of Tomato by a Species of Cephalosporium
Field of Specialization: Botany and Plant Pathology
- Bert Pierson Cundick, B.A., M.S. (University of Utah) Sandy, Utah
Dissertation: The Relation of Student and Counselor Expectations to Rated Counseling Satisfaction
Field of Specialization: Psychology
- William Kelly Danford, B.Mus., M.A. (Ohio Wesleyan University) McConelsville
Dissertation: Selection and Scoring of Music for All Musical Cues in the Comedies of Shakespeare
Field of Specialization: Speech
- Duane Gray DeWeese, B.Sc. in Food Tech., M.Sc. Cincinnati
Dissertation: The Effect of Processing Methods on the Quality of Puréed Snap Beans (Phaseolus vulgaris)
Field of Specialization: Horticulture
- William Montgomery Diamond, Jr., B.Sc. in Bus. Adm., M.B.A. Detroit, Mich.
Dissertation: Channels in the Distribution of Industrial Machinery, Equipment, and Supplies, with Particular Emphasis on the Industrial Distributor
Field of Specialization: Business Organization
- Thomas Morris Elmore, B.A. (Wake Forest College); A.M. (George Peabody College for Teachers) Franklinton, N. C.
Dissertation: The Development of a Scale to Measure Psychological Anomie
Field of Specialization: Psychology
- William Paul Fife, B.S. (University of Oregon) Johnson City, Tenn.
Dissertation: The Fate of Radioiodine after Parenteral Administration
Field of Specialization: Physiology
- James William Gibson, B.A. (Otterbein College); M.A. Marysville
Dissertation: Direct and Indirect Attitude Scale Measurements of Positive and Negative Argumentative Communications
Field of Specialization: Speech
- Bert Theodore Glaze, B.A. (University of Akron); M.A. Westerville
Dissertation: Changing Patterns of Urban Home Ownership: Some Theoretical and Policy Implications
Field of Specialization: Economics
- George Portsmouth Graff, B.S. in Agr. (University of Missouri); M.S. (Purdue University) Berwick, Pa.
Dissertation: Conservation Understandings in the Intermediate Grades
Field of Specialization: Zoology
- Flournoy Lane Hardy, A.B. (Oglethorpe University); M.A. (Emory University) Atlanta, Ga.
Dissertation: On Groups of Ring Multiplications
Field of Specialization: Mathematics
- Jeanne Meakin Haskett, B.A. (Ohio Wesleyan University); M.A. Cincinnati
Dissertation: The Decembrists in Siberian Exile
Field of Specialization: History

- James Franklin Holt, B.Sc., M.Sc.....Columbus
*Dissertation: Three-Phase Gas Discharge Experiments in a Mirror
 Magnetic Field*
Field of Specialization: Physics
- Sophia Chang Huang, B.S. (National Taiwan University); M.A.
 Hsinchu, Taiwan, China
*Dissertation: A Comparison of Selected Values among Formosan and
 American Adolescents*
Field of Specialization: Psychology
- Archie Edward Hudson, A.B. (Denison University); M.A.....Columbus
*Dissertation: The Development and Validation of Forced-Choice Per-
 formance Reports for Agents and Chairmen of The Ohio
 Cooperative Extension Service*
Field of Specialization: Psychology
- Howard Marcellus Johnson, B.Sc., M.Sc.....Annapolis, Md.
Dissertation: An Immunologic Study of Platelets and Leukocytes
Field of Specialization: Microbiology
- Prescott Kent Johnson, B.S.Ed. (University of Maine); M.S. (Springfield
 College).....Belfast, Me.
Dissertation: The Effects of Moderate Altitude on Exercise
Field of Specialization: Physical Education
- Kenneth Stanton Johnston, B.S. (San Diego State College); M.B.A.
 (University of California, Berkeley).....San Diego, Calif.
Dissertation: Compliance Costs: Their Impact on Corporate Taxation
Field of Specialization: Accounting
- Donald DeVere Kaufman, B.S., M.A. (Kent State University)
 North Canton
*Dissertation: The Effect of Mineral Fertilization, and Soil Reaction
 and Carbon-Nitrogen Ratio, on Soil Fungi*
Field of Specialization: Botany and Plant Pathology
- James Griffith Kendrick, B.Sc. in Agr., M.Sc.....Columbus
*Dissertation: Effects of Packaging Selected Fruits and Vegetables on
 Efficiency of Retail Merchandising*
Field of Specialization: Agricultural Economics and Rural Sociology
- Jon Hyunkoo Lee, B.Sc. (Seoul National University); M.Sc...Seoul, Korea
Dissertation: Turbulent Motion and Mixing
Field of Specialization: Chemical Engineering
- Jason Ralph Lemon, Mech.Eng. (University of Cincinnati); M.Sc...Milford
Dissertation: Dynamics of Gas-lubricated Plain Journal Bearings
Field of Specialization: Mechanical Engineering
- Ruth Bartlett Lewis, B.S. in Edu. (Wittenberg University); M.A.
 Columbus
Dissertation: Angelina Grimké Weld, Reformer
Field of Specialization: Speech
- James Perkins Leyda, B.S. in Phar. (Ohio Northern University); M.Sc.
 Youngstown
*Dissertation: The Interactions of Some Barbituric Acid Derivatives
 with Metals and Metal-containing Substances*
Field of Specialization: Pharmacy
- William Witherow Lindsay, B.S., M.A. (University of Pittsburgh)
 Pittsburgh, Pa.
*Dissertation: Investment Risk as Affected by the Regulation of Public
 Utility Prices*
Field of Specialization: Economics

- Joseph Mahig, B.M.E. (City College, New York); M.Sc. Columbus
Dissertation: A Convergent Iteration Method for Solving Boundary Value and Eigenvalue Problems
Field of Specialization: Engineering Mechanics
- Gerold Anthony Mancini, A.B. (University of Rochester); M.Sc. Rochester, N. Y.
Dissertation: An Investigation of the Effect of Some Alloying Elements on the Thermionic Emission of Iron and the Relation to Emission Decay in the Thermionic Emission Microscope
Field of Specialization: Metallurgical Engineering
- Harbans Singh Mann, B.A., M.A. (English), M.A. (Econ.) (University of the Punjab); M.Edu. Ludhiana, Punjab, India
Dissertation: Cooperative Farming and Family Farming in the Punjab: A Comparative Study
Field of Specialization: Agricultural Economics and Rural Sociology
- June Hackett McMurdo, B.Sc. in Edu., M.A. Toronto
Dissertation: The Discovery of Health Problems of College Women through the Use of the Depth Interview
Field of Specialization: Physical Education (Health Education)
- Earl Clarence Metz, A.B. (Capital University); M.Ed. (Duke University) Columbus
Dissertation: A Study of Factors Influencing the Withdrawal of Four Thousand Teachers from the Ohio Public Schools and the Possibility of Their Return
Field of Specialization: Education
- Azmi Danial Mikhail, B.Com. (Ein Shams University) El-Tabib, Guiza, Egypt
Dissertation: Financing the United States Major Domestic Trunk Airlines, 1955-1960
Field of Specialization: Business Organization
- Theodore Conrad Nark Jr., B.S. (Aero.) (Agricultural and Mechanical College of Texas); M.S. (University of California, Berkeley) Corpus Christi, Tex.
Dissertation: Theory of the Compressible Laminar Boundary Layer under Arbitrary Pressure and Temperature Gradients
Field of Specialization: Aeronautical and Astronautical Engineering
- Andrew George Oldenquist, Jr., B.S. (Northwestern University); M.A. (Brown University) Cleveland
Dissertation: Moral Rules
Field of Specialization: Philosophy
- John Howard Pennybacker, B.A., A.M. (University of Pennsylvania) Ardmore, Pa.
Dissertation: Analysis of the Reaction of Residents of Baton Rouge to a Series of Television Editorials
Field of Specialization: Speech
- Alfred Joseph Pratt, B.S., M.S. (University of Maryland) Toms River, N. J.
Dissertation: The Demonstration of the Starling Mechanism of Cardiac Control in the Right Ventricle of the Intact, Anesthetized Dog
Field of Specialization: Physiology
- Leon Neal Quera, B.F.A. M.A. Columbus
Dissertation: Persistent Principles in Japanese Architecture
Field of Specialization: Fine Arts

- Subramania Ranganathan, B.Sc., M.Sc. (University of Madras)
Tirur, Kerala, India
Dissertation: I. Studies of Synthesis of Phenanthrene [9, 10-2' 3']
II. The Chemistry of Substituted Nitrocyclobutanes
Field of Specialization: Chemistry
- Roger Carroll Rudduck, B.E.E. (University of Dayton); M.Sc. Dayton
Dissertation: Non-planar and Geodesic Lens Antennas
Field of Specialization: Electrical Engineering
- Richard Karl Saxer, B.S. (United States Naval Academy); M.S. (United States Air Force Institute of Technology) Lakeside
Dissertation: The Chemical Activities of Iron and Vanadium in Binary Iron-Vanadium Alloys and the Vapor Pressures of Pure Cobalt, Iron, and Vanadium
Field of Specialization: Metallurgical Engineering
- Richard Charles Schettler, A.B. (Denison University); B.Sc. in Edu., M.A. Mansfield
Dissertation: An Evaluation of Selected College Social Studies Methods Textbooks
Field of Specialization: Education
- Wayne Elmer Schroeder, B.Sc. in Agr., M.Sc. Wauseon
Dissertation: Role Expectations of State Supervision in Vocational Agriculture
Field of Specialization: Agricultural Education
- Raymond Hyde Scott, B.A. in Bus.Adm. (State University of Montana); M.B.A. (University of Washington) Pullman, Wash.
Dissertation: Technological and Operational Changes in General Line Grocery Wholesaling
Field of Specialization: Business Organization
- Robert James Shields, B.S. in Edu. (Pennsylvania State Teachers College, Stroudsburg); M.Sc. Philadelphia, Pa.
Dissertation: An Experimental Study of the Host-Parasite Glycogen Relationships of Haematoloechus medioplexus Stafford, 1902 (Trematoda: Plagiorchiidae)
Field of Specialization: Zoology
- Khairati Lall Sindwani, B.A. (Punjab University); M.A. (Delhi School of Social Work); M.A. (Florida State University) New Delhi, India
Dissertation: Leader Behavior in Social Work Administration
Field of Specialization: Social Work
- Mukand Singh, B.Ag.Sc. (Government Agricultural College, Ludhiana, India); M.Sc. Ferozepur, Punjab, India
Dissertation: Cytoplasmic Effects on Agronomic Characters in Maize
Field of Specialization: Agronomy
- Stanley Milton Soliday, B.Sc., M.A. Logan
Dissertation: Effects of Two Different Hypothalamic Lesions on the Avoidance Behavior of Rats
Field of Specialization: Psychology
- Thaddeus Hayes Spratlen, B.Sc. in Bus.Adm., M.A. Cleveland
Dissertation: An Appraisal of Theory and Practice in the Analysis of Sales Effort
Field of Specialization: Business Organization
- Edward Paul Stahel, B.S.E. (Princeton University); M.S. (University of Notre Dame) Garden City, N. Y.
Dissertation: Axial Mixing of Liquids in Porous Media Utilizing Frequency Response Techniques
Field of Specialization: Chemical Engineering

- Vernon Cecil Stevens, B.S. (Colorado Agricultural and Mechanical College); M.Sc. Minford
Dissertation: A Study of Certain Endocrine and Physiological Aspects of Reproduction in the Cottontail Rabbit (Sylvilagus floridanus mearnsii)
Field of Specialization: Zoology
- Lawrence Dow Taylor, A.B., A.M. (Dartmouth College). East Orange, N. J.
Dissertation: Ice Structures, Burroughs Glacier, Southeast Alaska
Field of Specialization: Geology
- Joseph Cho-Chuan Tsai, B.S. in E.E. (National Taiwan University); M.Sc. Taipei, Taiwan, China
Dissertation: The Simultaneous Diffusion of Donor and Acceptor Impurities into Silicon
Field of Specialization: Electrical Engineering
- Miles Elliott Vance, B.A. (Bowling Green State University) Findlay
Dissertation: An Interferometric-Modulation Order-Separator for a Far Infrared Spectrograph
Field of Specialization: Physics
- Henry René Velkoff, B.S. in M.E. (Purdue University); M.Sc. Dayton
Dissertation: Investigation of the Effects of Electrostatic Fields on Heat Transfer and Boundary Layers
Field of Specialization: Mechanical Engineering
- James Stone Widder, B.Sc., M.Sc. Shaker Heights
Dissertation: Serologic Investigation of Cold Autoagglutinins in Experimental Tuberculosis
Field of Specialization: Microbiology
- William Eugene Wilgus, B.S. in Edu. (Ashland College); M.A. West Mansfield
Dissertation: A Comparison of Efficiency between Aerobic and Anaerobic Work
Field of Specialization: Physical Education
- Karl Angevine Winter, B.Sc. (MacDonald College); M.Sc. (McGill University) Ottawa, Ont., Canada
Dissertation: Synthesis of Bacterial Protein and Other Nitrogenous Compounds from Urea by Cellulolytic Rumen Bacteria in Vitro
Field of Specialization: Animal Science
- Amina Kumar Singh Yadava, B.Sc., M.A., LL.B., M.A. (Social Work) (University of Delhi); A.M. (Indiana University) Gurgan, Punjab, India
Dissertation: Prediction of Giving to Community Fund-raising Federations: Use of Multiple Linear Regression, Configuration, Glueck and Burgess Approaches
Field of Specialization: Social Work
 (Sixty-nine candidates)

Master of Arts

- Carmeta Clark Abbott, B.A. Columbus
Field of Specialization: Romance Languages (French)
- Hilton Lee Adkins, B.Sc. in Agr. Columbus
Field of Specialization: Education
- Peter Julius Anderson, B.Sc. in Edu. Columbus
Field of Specialization: Geography
- Robert Cathcart Baker, B.S. (Pennsylvania State University) Elizabethtown, Pa.
Field of Specialization: Education

- Benny Ray Banks, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Fred Clinton Bock II, B.A. (University of Akron)Akron
Field of Specialization: Speech
- Hugh Eisenhart Boyer, A.B. (Columbia University)Brooklyn, N. Y.
Field of Specialization: History
- Ronald William Brady, B.Sc. in Bus.Adm.....Columbus
Field of Specialization: Economics
- Harold Eugene Brown, A.B. (Capital University); B.D. (Evangelical
 Lutheran Theological Seminary)Canton
Field of Specialization: Education
- William Harrison Bushnell, Jr., A.B. (Denison University) ..Winnetka, Ill.
Field of Specialization: Speech
- Norman Hirsch Carmel, B.A.....Cincinnati
Field of Specialization: Speech
- Katherine Biorn Christensen, B.M. (Saint Olaf College) ..Northfield, Minn.
Field of Specialization: Music
- Janet Avis Christy, B.A., B.S. in Ed. (Otterbein College)Grove City
Field of Specialization: Romance Languages (French)
- Mary Ann Cisar, B.A.....Caldwell
Field of Specialization: Political Science
- John Robert Cochran, B.Sc. in Edu.....Columbus
Field of Specialization: Education
- Marilyn Cole, B.S. (New York State University College of
 Education, Cortland)Hopewell, N. Y.
Field of Specialization: Psychology
- Roger Clement Crocker, B.A. (Johns Hopkins University)Cleveland
Field of Specialization: Mathematics
- Sidney Davis Crouch, B.S. (University of Kentucky)Carlisle, Ky.
Field of Specialization: Psychology
- Mary Gray Davis, B.A. (Winthrop College)Canton
Field of Specialization: Mathematics
- James Eugene Dietsch, B.A.....Columbus
Field of Specialization: Sociology (Anthropology)
- Mary Kay Conyers Duggan, B.Sc. in Edu., B.Mus.....Toledo
Field of Specialization: Music
- Myrtle Aurelia Fentress, B.S. in Ed. (Hampton Institute)
 Washington, D. C.
Field of Specialization: Education
- Marilyn Rothman Frankfurt, B.A.....Columbus
Field of Specialization: English
- Kenneth Lee Frerking, B.A., B.D. (Concordia Seminary, Missouri)
 Columbus
Field of Specialization: Sociology
- Gilbert Thomas Graf, B.S.Ed. (Ohio University)Lancaster
Field of Specialization: Education
- Marilyn Todd Hagans, B.A. (Ohio Wesleyan University)Marysville
Field of Specialization: English
- Richard Lloyd Hagen, B.S. in Edu. (Capital University)Lima
Field of Specialization: History
- Walter Sherman Hayes, Jr., B.A. (College of Wooster)Perrysburg
Field of Specialization: History
- Richard Howard, B.Sc. in Agr.....Shiloh
Field of Specialization: Agricultural Education
- Rodger Doak Humm, B.Sc.....Zanesville
Field of Specialization: Psychology
- Kyo Man Jin, B.A.....Seoul, Korea
Field of Specialization: Political Science

- Samuel William Jones, B.A. (Ohio Wesleyan University) . . . Pittsburgh, Pa.
Field of Specialization: English
- Katherine Foster Jorgensen, B.A. Columbus
Field of Specialization: Sociology (Anthropology)
- Thomas Leiper Kane, Jr., B.S. (Antioch College) Dover
Field of Specialization: Education
- Edward William Kohler, B.Sc. in Edu. Lima
Field of Specialization: Education
- Leonard Emil Kreider, B.A. (Bethel College, Kansas) Wadsworth
Field of Specialization: Economics
- Richard Persun Lazure, B.Mus. Dayton
Field of Specialization: Mathematics
- David Raymond Lee, A.B. (Chico State College) Santa Rosa, Calif.
Field of Specialization: Geography
- Lillian Liu, B.A. Riverdale, N. Y.
Field of Specialization: Romance Languages (French)
- Margaret Ellen Love, B.Sc. in Edu. Columbus
Field of Specialization: Physical Education (Health Education)
- Mary Miller McCaa, B.A. (College of Wooster) Warren, Pa.
Field of Specialization: Romance Languages (Spanish)
- James Duvall McCarthy, B.A. (University of Notre Dame) Columbus
Field of Specialization: Philosophy
- Edgar Taylor McHenry, Jr., B.A. (University of the South) Memphis, Tenn.
Field of Specialization: Economics
- Thomas Jay McNutt, B.Sc. in Agr. Dunkirk
Field of Specialization: Agricultural Education
- Ruth Buchanan McQuigg, B.S. in Edu. (Muskingum College) Canton
Field of Specialization: Education
- Lysle Edward Meyer, Jr., A.B. (Western Reserve University) Cleveland
Field of Specialization: History
- Dorothy Ann Molyet, B.A. (College of Saint Mary of the Springs) Fremont
Field of Specialization: Education
- William Carter Moore, B.A. Columbus
Field of Specialization: Journalism
- Lewis Marvin Moorehead, B.S. in Ed. (Miami University) Columbus
Field of Specialization: Education
- Larry Edgar Nelson, B.Sc. in Edu. North Canton
Field of Specialization: Education
- Roland Dale Nichols, B.Sc. in Bus. Adm. Milltown, Wis.
Field of Specialization: Geography
- Joyce Timanus Parks, B.Sc. in Edu. Mansfield
Field of Specialization: Education
- Mangalage Piyadasa Perera, B.A. (University of Ceylon) Kelaniya, Ceylon
Field of Specialization: Geography
- Donald Elden Pitzer, A.B. (Wittenberg University) Springfield
Field of Specialization: History
- Eve Laurel Priebe, B.S.S.S. (Ohio University) Cleveland
Field of Specialization: Education
- Martha Atelia Prince, B.A. (Texas Christian University) Lake Jackson, Tex.
Field of Specialization: English
- Franklin Keenan Ragase, B.S. in Ed. (Bowling Green State University) Marysville
Field of Specialization: Education
- Martha Wetzel Randall, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Virginia Lou Reuthe, B.S. in Nursing (Capital University) Cincinnati
Field of Specialization: Education

- Mary Judith Rhea, B.A. (College of Wooster) Fort Slocom, N. Y.
Field of Specialization: Romance Languages (French)
- Phyllis Baker Rolfe, B.S. in Ed. (Wittenberg University) Columbus
Field of Specialization: Education
- Arthur Ronny Salman, A.B. (Queens College) Bronx, N. Y.
Field of Specialization: Psychology
- Jean Mellor Schramm, B.Sc. in H.E. Columbus
Field of Specialization: Home Economics (Education)
- Neil Robert Seifried, B.A. (University of Toronto) Waterloo, Ont., Canada
Field of Specialization: Geography
- George Edward Sharples, A.B. (Oberlin College) Columbus
Field of Specialization: Sociology
- Norman Ralph Shrider, B.Sc. in Edu., B.Mus. Worthington
Field of Specialization: Education
- Chuong Doan Son, B.A. (Kent State University) Saigon, South Vietnam
Field of Specialization: Mathematics
- Jacqueline Eleanore Spencer, B.A. (University of Maryland) Hyattsville, Md.
Field of Specialization: English
- Beverly Tanner Springer, B.A. Columbia, S. C.
Field of Specialization: Political Science
- Barbara Jean Stevens, B.A. East Liverpool
Field of Specialization: History
- Srihadi Sudarsono Solo, Java, Indonesia
Field of Specialization: Fine Arts
- Russell Howard Tuttle, B.Sc. Prospect
Field of Specialization: Sociology (Anthropology)
- Susan Judith Vogel, B.A. Columbus
Field of Specialization: Fine Arts
- Katherine Morrett Weist, B.Sc. in Soc. Adm. Springfield
Field of Specialization: Sociology (Anthropology)
- Marilyn Eileen Weith, B.S. in Edu. (Illinois State Normal University) Elmhurst, Ill.
Field of Specialization: Psychology
- John Norman West, B.A. (Kent State University) Akron
Field of Specialization: Political Science
- Maxine Boyd Wilgus, B.S. in Educ. (Ashland College) Worthington
Field of Specialization: Education
- Victor Lee Will, B.S. Ed. (Ohio University) Canal Winchester
Field of Specialization: Education
- Macon Lassiter Williams, B.A. Xenia
Field of Specialization: Psychology
- Marina Gertrude Williamson, B.A. (Hons.) (University of Manchester) Chester, England
Field of Specialization: English
- Arno Frank Wittig, B.A. (Hobart College) Buffalo, N. Y.
Field of Specialization: Psychology
- Darlene Abshire Wolfe, B.Sc. in Edu. Columbus
Field of Specialization: Music
- David Brandon Young, B.Sc. in Agr. Baltimore
Field of Specialization: Agricultural Education
- David Woodward Zimmer, B.Sc. in Bus. Adm. Xenia
Field of Specialization: Economics
- Diana Baker Zimmer, B.A. Blacklick
Field of Specialization: Speech

(Eighty-five candidates)

Master of Business Administration

- Don Clifton Bader, B.Sc. in Bus. Adm. Edison
Field of Specialization: Business Organization
- Jayantilal Dwarkadas Barai, B.E. (Civil) (University
of Calcutta) Calcutta, India
Field of Specialization: Business Organization
- Richard Darrell Johnson, B.I.E. Columbus
Field of Specialization: Business Organization
- Akira Kamimura, B.A. in Econ. (Keio University) Tokyo, Japan
Field of Specialization: Business Organization
- Frederick William Kiemle, B.Sc. Toledo
Field of Specialization: Business Organization
- Larry Felix Myers, B.S. (Saint Vincent College, Pennsylvania) . Elmora, Pa.
Field of Specialization: Accounting
- Lowell Edward Parker, B.S. (University of Illinois) Dayton
Field of Specialization: Business Organization
- William Craig Pavord, B.S. (Pennsylvania State University) . Oaklyn, N. J.
Field of Specialization: Business Organization
- Robert Huff Plattner, B.S. in E.E. (University of Missouri) Columbus
Field of Specialization: Business Organization
- Fred Clifton Sheffey, B.S. (Central State College) McKeesport, Pa.
Field of Specialization: Business Organization
- Jon Mikal Townsley, B.Sc. in Bus. Adm. Cedarville
Field of Specialization: Accounting
(Eleven candidates)

Master of City Planning

- Grant Ashton Dyer, B.A. Dayton
Field of Specialization: Architecture (City Planning)
(One candidate)

Master of Education

- Jane Ellen Barlow Dell, B.Sc. in Edu. Columbus
Field of Specialization: Education
- Blossom Foster, B.S. (College of Steubenville) Steubenville
Field of Specialization: Education
- Bernard Lee Vonder Haar, B.S. in Ed. (University of Dayton) Middletown
Field of Specialization: Education
(Three candidates)

Master of Medical Science

- Ronald Paterson Bell, B.Sc., M.D. Lima
Field of Specialization: Surgery
- Martin Edward Felder, A.B. (Brown University); M.D. (Tufts College)
Columbus
Field of Specialization: Surgery
- William George Harris, M.D. (George Washington University)
Martins Ferry
Field of Specialization: Surgery
- Julius Hoffman, B.A., M.D. (New York University); M.A. Worthington
Field of Specialization: Pediatrics
- Donn Richard Huf, B.Sc., M.D. Canal Winchester
Field of Specialization: Surgery
- Opas Jutabha, M.D. (University of Medical Sciences of Chulalongkorn
Hospital) Bangkok, Thailand
Field of Specialization: Medicine

- Puangtong Jutabha, M.D. (University of Medical Sciences of Chulalongkorn Hospital)Cheingmai, Thailand
Field of Specialization: Medicine
- Harvey Edwin Knoernschild, A.B., M.D. (University of California, Berkeley)Las Vegas, N. Mex.
Field of Specialization: Surgery
- Henry Clyde O'Roark, A.B. (Denison University); M.D.....Columbus
Field of Specialization: Obstetrics and Gynecology
- Robert Louis Perkins, A.B., B.S. (West Virginia University); M.D. (Johns Hopkins University).....Columbus
Field of Specialization: Medicine
- Robert Adrian Rehm, A.B. (DePauw University); M.D. (University of Cincinnati).....Columbus
Field of Specialization: Surgery
- William Carl Rigsby, B.S. (Purdue University); M.D.....Warren
Field of Specialization: Obstetrics and Gynecology
- Charles William Rossel, B.A., M.D.....Columbus
Field of Specialization: Surgery
- Russell Franklin Shaw, B.A. (Brown University); M.D. (Albany Medical College of Union University).....Columbus
Field of Specialization: Pediatrics
- David Allan Taft, M.D. (State University of Iowa).....Ames, Ia.
Field of Specialization: Surgery
- Nick John Teteris, B.A. (Washington and Jefferson College); M.D. Yorkville
Field of Specialization: Obstetrics and Gynecology
- Charles George Wahoff, B.Sc., M.D.....Columbus
Field of Specialization: Pediatrics
- June Opdyke Webster, A.B. (Western Reserve University); M.D. Shaker Heights
Field of Specialization: Pediatrics
 (Eighteen candidates)

Master of Science

- Kaoru Aihara, M.D. (Gunma University).....Tokyo, Japan
Field of Specialization: Pathology
- Mohammed Fedil Al-Habboobi, B.Sc. (College of Engineering, Baghdad) Baghdad, Iraq
Field of Specialization: Civil Engineering
- William Keith Alverson, B.S. in E.E. (University of Kentucky) Lexington, Ky.
Field of Specialization: Electrical Engineering
- Stephen Michael Andrichak, B.S. (Pennsylvania State University) Jessup, Pa.
Field of Specialization: Mechanical Engineering
- Alfonso Angelone, B.M. (Eastman School of Music); M.A.....Alliance
Field of Specialization: Physiology
- Mary Louise Augenstein, B.Sc. in H.E.....Marion
Field of Specialization: Home Economics
- Kenneth Leroy Barker, B.Sc. in Agr.....Delaware
Field of Specialization: Dairy Science
- Richard Elwood Barrett, B.M.E.....Columbus
Field of Specialization: Mechanical Engineering
- Helen Ruth Baumberger, B.S. (Kent State University).....Ravenna
Field of Specialization: Home Economics
- Joseph Evans Bennett, B.S. (United States Naval Academy) Rocky Mount, N. C.
Field of Specialization: Geodetic Science

- Loren Ray Bishop, B.S.C.E. (Ohio University) Columbus
Field of Specialization: Engineering Mechanics
- Karl Wilhelm Böddeker Columbus
Field of Specialization: Chemistry
- William Wiley Brown, B.S. (United States Military Academy)
 Montgomery, Ala.
Field of Specialization: Geodetic Science
- Bruce Emerson Burton, B.S.M.E. (Ohio University) Columbus
Field of Specialization: Engineering Mechanics
- Kay Evans Caudy, B.Sc. in Nurs. Delaware
Field of Specialization: Nursing
- Soo Young Chai, B.E.E. Seoul, Korea
Field of Specialization: Electrical Engineering
- Carol Wriedt Clark, B.Sc. in H.E. Cleveland
Field of Specialization: Home Economics
- Robert William Cleary, B.S. in Phar. (University of Wisconsin)
 Milwaukee, Wis.
Field of Specialization: Pharmacy
- John Bertus Cordrey, B.Sc. in Agr. Mansfield
Field of Specialization: Agricultural Economics and Rural Sociology
- David Earl Cummins, B.Sc. in Agr. Chagrin Falls
Field of Specialization: Agricultural Economics and Rural Sociology
- Thomas Roland Dailey, B.S.M.E. (West Virginia University) ... Columbus
Field of Specialization: Industrial Engineering
- Natholyn Frances Dalton, B.S. (Berry College) Cairo, Ga.
Field of Specialization: Horticulture
- Robert Joseph Diersing, B.S. in Met. (University of Notre Dame)
 Youngstown
Field of Specialization: Metallurgical Engineering
- Li-jen Du, B.S. in Eng. (National Taiwan University)
 Hsing-Chu, Taiwan, China
Field of Specialization: Electrical Engineering
- William Robert Edwards, B.Sc. in Agr. Willoughby
Field of Specialization: Zoology
- Ronald Allan Engel, B.S. (Baldwin-Wallace College) Ashtabula
Field of Specialization: Zoology
- Don Richard Ewing, B.S.C.E. (Ohio University) Zanesville
Field of Specialization: Geodetic Science
- David Alvin Fichtner, B.Ch.E. Canton
Field of Specialization: Chemical Engineering
- *James Sheridan Foster Huntington, W. Va.
Field of Specialization: Metallurgical Engineering
- *Phillip Edward Fraley Lewisburg
Field of Specialization: Physics
- Andre Bernard Frechette, B.A. (Université Laval) Quebec, Canada
Field of Specialization: Geodetic Science
- Joseph Michael Genco, B.S. in Ch.E. (Case Institute of Technology)
 Cleveland
Field of Specialization: Chemical Engineering
- James Clarence Gerdeen, B.S.M.E. (Michigan College of Mining
 and Technology) Columbus
Field of Specialization: Engineering Mechanics
- Lester Paul Gibson, B.Sc. Plain City
Field of Specialization: Entomology
- Dexter George Girtton, B.E.E. Bellevue
Field of Specialization: Electrical Engineering
- *Edward Emerson Hagenlocker Ostrander
Field of Specialization: Physics

* Two degrees

- Ebtissam Ahmed Hamdi, M.B., B.Ch., D.M. (University of Alexandria)
Alexandria, Egypt
Field of Specialization: Preventive Medicine
- James Towers Hanlon, B.E.E. Ft. Thomas, Ky.
Field of Specialization: Electrical Engineering
- *Robert Charles Hansen Bellevue
Field of Specialization: Agricultural Engineering
- Shirley Ann Harmon, A.B. (Marietta College) Marietta
Field of Specialization: Microbiology
- Michel Samuel Hartveld, Chem.Engr. (University of Brazil)
Rio De Janeiro, Brazil
Field of Specialization: Chemical Engineering
- Patrick Joseph Hawkins, B.A.Sc. (University of Toronto) Storrs, Conn.
Field of Specialization: Electrical Engineering
- Robert Carroll Holle, B.S.C.E. (State University of Iowa) Columbus
Field of Specialization: Civil Engineering
- Daniel M. Hollinger, B.S. (Michigan State University) Celina
Field of Specialization: Agricultural Education
- *Robert Giffen Holmes Urbana
Field of Specialization: Agricultural Engineering
- Harley Franklin Hope, Jr., A.B. (West Virginia University); D.M.D.
(University of Louisville) Matewan, W. Va.
Field of Specialization: Dentistry
- Charles Fletcher Hulse, B.M.E. Mt. Vernon
Field of Specialization: Mechanical Engineering
- Karl Daniel Kappus, B.Sc. Lakewood
Field of Specialization: Entomology
- Pentti Aimo Karki Helsinki, Finland
Field of Specialization: Mathematics
- Anne Gardner Kelso, B.A. (College of Wooster) Euclid
Field of Specialization: Zoology
- Stephen Robert Kimbleton, B.S. (University of Cincinnati) Cleveland
Field of Specialization: Mathematics
- William Edward Kintz, B.S. in Ed. (Kent State University) Kent
Field of Specialization: Mathematics
- Walter Norris Kirn, Jr., A.B. (Princeton University) Akron
Field of Specialization: Chemistry
- Kenneth Kay Knaell, B.Sc. in Phys. Columbus
Field of Specialization: Electrical Engineering
- Fredrick James Kull, B.S. (Kent State University) Marion
Field of Specialization: Agricultural Biochemistry
- Richard Shroyer Leiss, B.Sc. in Agr. Troy
Field of Specialization: Horticulture
- Olfeo John Lorenzetti, B.S. in Phar. (University of Illinois) ... Chicago, Ill.
Field of Specialization: Pharmacy
- Charles Reading MacCluer, B.Sc. Columbus
Field of Specialization: Mathematics
- Emil Coriolan Marcusiu, Engr. (Polytechnic Institute of Timisoara,
Rumania) Columbus
Field of Specialization: Agronomy
- Eugene Victor Martin, A.B. (University of Cincinnati) Cincinnati
Field of Specialization: Mathematics
- Sharron Lee Martin, D.V.M. Columbus
Field of Specialization: Veterinary Medicine
- Rosemary Anne McConkey, B.A. (University of Western Ontario)
Peterborough, Ont., Canada
Field of Specialization: Preventive Medicine

* Two degrees

- John Leonard McConnell, B.Sc. in Agr.....Akron
Field of Specialization: Dairy Science
- Thomas Jerome McDonough, B.Sc. in Agr.....Oxford
Field of Specialization: Agricultural Education
- Elizabeth Rutz McKay, B.Sc. in Nurs.....Chardon
Field of Specialization: Nursing
- James Carlyle McLaughlin, B.S. (University of Michigan) Charlotte, Mich.
Field of Specialization: Electrical Engineering
- *Samuel Maximillian McMahon, B.A.....Zanesville
Field of Specialization: Pathology
- *George Charles Mekker, B.I.E. (General Motors Institute); B.A...Grafton
Field of Specialization: Pathology
- Eda DiFilippo Mikolaj, B.S. in Nurs. (Saint John College).....Lorain
Field of Specialization: Nursing
- Neil Byron Mills, B.S. (Cornell University); B.S. (University of Hawaii)
 Waldoboro, Me.
Field of Specialization: Agricultural Economics and Rural Sociology
- Shizuo Mizushima, B.Sc. (Shizuoka University).....Fujisawa, Japan
Field of Specialization: Electrical Engineering
- Essam Hassan Moneeb, B.Sc. (Cairo University).....Cairo, Egypt
Field of Specialization: Agricultural Economics and Rural Sociology
- Earl Richard Murphy, B.E.E.....Newcomerstown
Field of Specialization: Electrical Engineering
- Clinton Alexander Nerenberg, B.A. (University of Saskatchewan)
 Columbus
Field of Specialization: Physiological Chemistry
- John Franklin Nicholson, B.Sc. in Agr.....Marion
Field of Specialization: Agricultural Education
- James Charles Opatrny, B.Ch.E.....St. Clairsville
Field of Specialization: Chemical Engineering
- Shantilal Bhagwandas Patel, B.E. (Gujarat University)....Bombay, India
Field of Specialization: Civil Engineering
- *John William Patterson.....Lorain
Field of Specialization: Metallurgical Engineering (Mining Engineering)
- Edward Charles Pienkowski, B.E.E.....Rocky River
Field of Specialization: Electrical Engineering
- Richard James Plugge, B.S. (Michigan State University)
 Grand Rapids, Mich.
Field of Specialization: Electrical Engineering
- Gail Masterman Plummer, B.S. (University of Maine)...Glens Falls, N. Y.
Field of Specialization: Physics
- James Bernard Poindexter, Jr., D.D.S. (University of Pennsylvania)
 Huntington, W. Va.
Field of Specialization: Dentistry
- John David Porthouse, B.S.Ch.E. (Purdue University).....Kent
Field of Specialization: Chemical Engineering
- Carol Bigelow Prince, B.Sc. in Nurs.....Spencerville
Field of Specialization: Nursing
- Jose Puy-Huarte, Ing. (Escuela Tecnica Superior Ingenieros de Caminos,
 Canales y Puertos).....Tudela, Navarra, Spain
Field of Specialization: Civil Engineering
- Fred Arnold Racle, B.Sc.....Columbus
Field of Specialization: Botany and Plant Pathology

* Two degrees

- Robert Folk Ramaley, B.Sc.....Columbus
Field of Specialization: Agricultural Biochemistry
- Carol Anne Reichert, A.B. (Antioch College).....Yellow Springs
Field of Specialization: Botany and Plant Pathology
- Jerry David Richey, B.A., D.D.S. (University of Kansas City)
 Raytown, Mo.
Field of Specialization: Dentistry
- William Gary Rieder, B.S. (North Dakota Agricultural College) .Columbus
Field of Specialization: Mechanical Engineering
- Arthur Jerome Sachsels, D.D.S. (University of Pennsylvania)
 Garwood, N. J.
Field of Specialization: Dentistry
- Thomas Salimeno, Jr., D.D.S. (University of Maryland)Westerly, R. I.
Field of Specialization: Dentistry
- Jagdev Singh Sawhney, B.Sc.Agr. (Indian Agricultural Research Institute)
 Delhi, India
Field of Specialization: Agronomy
- Charles Eugene Schott, B.Sc. in Edu., B.Cer.E.....Bellevue
Field of Specialization: Ceramic Engineering
- Richard Newman Schwab, B.S. (Antioch College).....St. Louis, Mo.
Field of Specialization: Optometry (Physiological Optics)
- Satya Sharma, B.A., B.T. (University of the Panjab)New Delhi, India
Field of Specialization: Home Economics
- *Donald Ray Sigman.....Cambridge
Field of Specialization: Physics
- Affi Hassan Soliman, B.Sc. (Ein Shams University)Banha, Egypt
Field of Specialization: Geodetic Science
- Uberto Keenon Stagg, Jr., B.S. (Pennsylvania State University)
 Voorheesville, N. Y.
Field of Specialization: Electrical Engineering
- Harold Kenneth Thoburn, B.Sc. in Agr.....Wellington
Field of Specialization: Agricultural Education
- *Allan Wilbur Thompson.....Adrian, Mich.
Field of Specialization: Electrical Engineering
- Robert Glen Tissot, B.Sc. in Edu.....Sardinia
Field of Specialization: Zoology
- Paul Everett Van Buren, B.Sc. in Agr.....Arlington
Field of Specialization: Agricultural Education
- *Duane Arthur Warner.....Arlington
Field of Specialization: Physics
- Hildred Harvey Warner, B.Sc. in Agr.....Arlington
Field of Specialization: Agricultural Education
- David Allen Weaver, D.D.S.....Hamilton
Field of Specialization: Dentistry
- *Thomas Rea Wright.....Dennison
Field of Specialization: Ceramic Engineering
- Leland Reed Yeager, Jr., B.S.E.E. (Purdue University)
 South Charleston, W. Va.
Field of Specialization: Electrical Engineering
 (One hundred and eight candidates)

Master of Science in Public Administration

- William Bell Pilkey III, B.A. (College of Wooster)Lakewood
Field of Specialization: Political Science
 (One candidate)

* Two degrees

Master of Social Work

- Charles Harper Banning, Jr., B.Sc. in Soc.Wel.....Mt. Vernon
Field of Specialization: Social Work
- Roberta Saipher Cable, A.B. (Brooklyn College)Columbus
Field of Specialization: Social Work
- Betty Sue Cornelius, B.Sc. in Soc.Adm.....Columbus
Field of Specialization: Social Work
- Melvin Dennis Coy, B.S. (Manchester College)Dayton
Field of Specialization: Social Work
- Marjorie Luh Davis, B.Sc. in H.E.....Marysville
Field of Specialization: Social Work
- Eli Estreicher, B.A. (Fenn College)Cleveland Heights
Field of Specialization: Social Work
- Mary Lill Gardner, B.A. (Lake Erie College); M.A.....Erie, Pa.
Field of Specialization: Social Work
- Charlotte Grava Garner, A.B. (Capital University)Columbus
Field of Specialization: Social Work
- Ann Margaret Garrity, B.A. (Marshall College)Charleston, W. Va.
Field of Specialization: Social Work
- Peggy Schantz Gieringer, B.Sc. in Soc.Wel.....Orrville
Field of Specialization: Social Work
- Lois Anne Gill, B.Sc. in Soc.Adm.....Columbus
Field of Specialization: Social Work
- Betty Barrick Harmon, B.S. (Capital University)Columbus
Field of Specialization: Social Work
- Judith Hughes Herberger, B.Sc. in Soc.Wel.....Columbus
Field of Specialization: Social Work
- Gretchen Ann Hoffman, B.Sc. in H.E.....Millersburg
Field of Specialization: Social Work
- Jane Glosser Hubert, B.A.....Uhrichsville
Field of Specialization: Social Work
- Betty Koronski Ketchum, B.A. (Michigan State University)Newark
Field of Specialization: Social Work
- Robert William Klenk, B.S.Ed. (Ohio University)Sandusky
Field of Specialization: Social Work
- Marilou Dunphy McCreddie, A.B. (Ohio University)Cincinnati
Field of Specialization: Social Work
- John Stanley Meisenhelder, B.A. (Duns Scotus College, Michigan)
Field of Specialization: Social Work Cincinnati
- Jacqueline Deleta Roberts Michael, B.A. (Knoxville College)Cincinnati
Field of Specialization: Social Work
- Carl Daniel Miller, B.A. (Otterbein College)Lancaster
Field of Specialization: Social Work
- Carol Ann Potter, B.A. (Muskingum College)Randolph
Field of Specialization: Social Work
- Kenneth Joseph Seege, B.Sc. in Soc.Adm.....Cleveland
Field of Specialization: Social Work
- Barrie Phillip Segall, B.A. (University of Toronto) ..Toronto,Ont., Canada
Field of Specialization: Social Work
- Sandra Kay Shaw, B.A. (College of Wooster)North Canton
Field of Specialization: Social Work
- Judith Brav Sher, A.B. (University of Cincinnati)Cincinnati
Field of Specialization: Social Work
- Mary Judith Stattmiller, B.A. (College of Saint Mary of the Springs)
Field of Specialization: Social Work Columbus

Robert Ernest Titko, B.Sc. in Soc. Wel. Westerville
Field of Specialization: Social Work
 Sarah Rowland Wilson, A.B. (Hanover College) Cincinnati
Field of Specialization: Social Work
 Sarah Reamer Wrage, B.Sc. in H.E., B.Sc. in Edu. Toledo
Field of Specialization: Social Work
 Arnett Benesh Wright, A.B. (University of Cincinnati) Cincinnati
Field of Specialization: Social Work
 (Thirty-one candidates)

CANDIDATES FOR TWO DEGREES

William Harris Adams.....	Alger
Bachelor of Arts (cum laude)	
Doctor of Medicine	
David Morgan Bates.....	Columbus
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Robert Potter Dilbone.....	Sidney
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Larry Albert Ford.....	Portsmouth
Bachelor of Arts	
Bachelor of Science in Education	
James Sheridan Foster.....	Huntington, W. Va.
Master of Science	
Bachelor of Metallurgical Engineering (summa cum laude)	
Phillip Edward Fraley.....	Lewisburg
Master of Science	
Bachelor of Science in Physics (cum laude)	
Robert Phillip Gardner.....	Columbus
Bachelor of Arts	
Doctor of Dental Surgery	
James Noel George.....	Columbus
Bachelor of Arts	
Doctor of Medicine	
Peter Lee Gillett.....	Forest
Bachelor of Arts	
Bachelor of Science in Business Administration	
Richard Dale Gilson.....	Sandusky
Bachelor of Arts	
Bachelor of Laws	
James Lowell Graham.....	West Jefferson
Bachelor of Arts	
Juris Doctor	
Ardis Ann Hacker.....	Kent
Bachelor of Arts	
Bachelor of Science in Education	
Edward Emerson Hagenlocker.....	Ostrander
Master of Science	
Bachelor of Science in Physics (cum laude)	
Robert Charles Hansen.....	Bellevue
Master of Science	
Bachelor of Agricultural Engineering	
Robert Giffen Holmes.....	Urbana
Master of Science	
Bachelor of Agricultural Engineering (cum laude)	
Robert Howard Houtz.....	Lima
Bachelor of Arts	
Doctor of Dental Surgery	
James Jacob Kozelek.....	Massillon
Bachelor of Arts	
Bachelor of Laws	
Frederic Karr Lawrence.....	Chillicothe
Bachelor of Arts	
Bachelor of Science in Education	

Samuel Maximillian McMahon, B.A.....Zanesville
 Master of Science
 Doctor of Medicine

George Charles Mekker, B.I.E. (General Motors Institute); B.A....Grafton
 Master of Science
 Doctor of Medicine

Thomas Larry Mostoller.....Bath
 Bachelor of Science in Agriculture
 Doctor of Veterinary Medicine

Myron Parker Mustaine, Jr.....Columbus
 Bachelor of Arts
 Bachelor of Laws

Donny Lewis Notter.....Gallipolis
 Bachelor of Science in Agriculture
 Doctor of Veterinary Medicine

Errol Sheldon Nozik.....University Heights
 Bachelor of Arts
 Bachelor of Laws

John William Patterson.....Lorain
 Master of Science
 Bachelor of Engineering in Mining (cum laude)

Fletcher A. Reynolds II.....Cleveland
 Bachelor of Science in Agriculture
 Doctor of Veterinary Medicine

David Harold Robinson.....Steubenville
 Bachelor of Science in Agriculture
 Doctor of Veterinary Medicine

Janet Helene Roth.....Springfield
 Bachelor of Arts
 Bachelor of Science in Education

Renee Cora Sherrow.....Lyndhurst
 Bachelor of Arts (summa cum laude)
 Bachelor of Science in Education (summa cum laude)

Carol Gande Shough.....Toledo
 Bachelor of Arts
 Bachelor of Science in Education

Donald Ray Sigman.....Cambridge
 Master of Science
 Bachelor of Science in Physics (cum laude)

Allan Wilbur Thompson.....Adrian, Mich.
 Master of Science
 Bachelor of Electrical Engineering

Jacquelyn Long Vaughan.....Columbus
 Bachelor of Arts
 Bachelor of Science in Education

Duane Arthur Warner.....Arlington
 Master of Science
 Bachelor of Science in Physics (summa cum laude)

Frederick Allen Wood.....Columbus
 Bachelor of Science in Agriculture
 Doctor of Veterinary Medicine

Thomas Rea Wright.....Dennison
 Master of Science
 Bachelor of Ceramic Engineering

(Thirty-six candidates)

CANDIDATES FOR A DEGREE AND A CERTIFICATE

Donna Joy Freer.....Toledo
Bachelor of Arts
Certificate of Graduate Dental Hygienist

Carole Ann Hinkle.....Columbus
Bachelor of Arts
Certificate of Graduate Dental Hygienist

Nancy Ann Kornath.....Toledo
Bachelor of Arts
Certificate of Graduate Dental Hygienist

Carolyn Sue McCarty.....Columbus
Bachelor of Arts
Certificate of Graduate Dental Hygienist

Carolyn Elizabeth Meister.....Strongsville
Bachelor of Arts
Certificate of Graduate Dental Hygienist

Karen Johnson Shumaker.....Lakewood
Bachelor of Arts
Certificate of Graduate Dental Hygienist

(Six candidates)

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

Bachelor of Science in Agricultural Biochemistry

Carl Lloyd Winely.....Shelby
(One candidate)

Bachelor of Science in Agriculture

Robert James Avery Atherton.....Newcomerstown
James Michael Barrett.....Vincent
*David Morgan Bates.....Columbus
Rollin Dean Biery, Jr. (cum laude).....Mt. Cory
John Henry Born.....Amherst
Frank Allen Bouic.....Ostrander
Allen Arthur Brandt.....Versailles
Judith Carole Brannon.....Duncan Falls
Ronald Lee Branstool.....Utica
Warren Lee Briggs.....Wooster
Ronald Richard Buehler.....Oak Harbor
Robert Gardner Bullock.....Monroe
Charles Willis Carter.....Columbus
Thomas Richard Chaney.....Loveland
Thomas David Charles.....New Lexington
Gary Allen Cole.....Tiro
Cecil Jerome Colsch.....Worthington
John Frederick Cooper.....Marion
Charles Irvin Copeland.....Wapakoneta
Robert Germaine Cowley.....Maple Heights
Lon Edward Cromley.....Ashville
Paul Henry Cunningham.....Rocky River
Carl Edward Davis.....Xenia
Tommy Lee Denison.....Glenford
Joseph Martin Dietrick.....New Bavaria
*Robert Potter Dilbone.....Sidney
Clifford Albert Doebel.....Clyde
Edward Roch Dorgan.....Columbus
Robert Lee Engelhaupt.....Quincy
Floyd Edward Evans.....Dayton
Bruce Woodward Ewing.....Barberton
Joseph Nicholas Farkas.....Avon
Richard Mackinney Farrington.....Columbus
Norman Ray Fausey.....Fremont
David Richard Fischbach.....Williamsburg
Danny Gene Fox.....Edon
Rodger Arland Hagmaier.....Warren
Emil Bradshaw Haney, Jr.....Baltimore
Thomas Neil Haverfield.....Steubenville
Richard Ernest Henderson.....Wapakoneta
Terry Alan Hiller.....Dover
Francis Xavier Hirsch.....Chillicothe
Kenneth Alan Hoot.....Bloomdale
Raymond Floyd Huey.....Marysville
Wayne Lee Irwin.....Westerville
Lawrence Alan Johnson.....Springfield
John William Kantzer.....Marion
James Frederick Karn.....London

* Two degrees

Gerald Allen Koverman.....	Minster
Lowell Dean Kreager.....	Newark
Ronald Dee Latham.....	Hamersville
Daniel Andrew Lazor.....	Lakewood
Roger Wesley LeValley.....	Ridgeway
Frank C. Levering.....	Cardington
Mark Roger List.....	Circleville
Albert Henry Mack.....	Columbus
Malcolm Donald MacNab.....	Navarre
Kenneth Raymond Madden.....	DeGraff
Virgil Francis McKee.....	West Alexandria
Larry Keith Miller.....	Liberty Center
Max Ronald Mitchell.....	Ostrander
*Thomas Larry Mostoller.....	Bath
*Donny Lewis Notter.....	Gallipolis
Terrell Ray Oetzel.....	Van Wert
John Edward Reid.....	Laurelville
*Fletcher A. Reynolds II.....	Cleveland
William Lindenberg Risch.....	Oak Harbor
*David Harold Robinson.....	Steubenville
Kenneth George Rohrbach.....	Ashland
Spencer Dale Salser.....	Springfield
Herbert Schaad, Jr.....	Van Wert
Jack Roger Schindler.....	Mansfield
Paul Joseph Schlagbaum.....	Fort Jennings
David Baur Scott.....	Xenia
Philip Allan Seitz.....	Ottawa
Wesley Donald Seitz.....	Wapakoneta
James Aldine Shane.....	Lexington
Lenora Ellen Shaver.....	Marengo
Arthur Crecelius Smallsreed.....	Newton Falls
George Heft Snyder (cum laude).....	Granville
Donald Judson Stalker.....	Middletown
James Allyn Stickley.....	DeGraff
Donall Marion Streets.....	Columbus
Robert Edward Suter.....	Perrysburg
Richard M. Sutherly.....	Troy
Robert Smythe VanSickle.....	Cardington
John Roy Veley.....	Stillwater
Robert Arthur Vetter.....	Custar
Paul Dean Waltman.....	Millersburg
David Edwin Weaver.....	Forest
Myron Charles Wehr.....	North Lima
Malcolm J. White.....	West Union
*Frederick Allen Wood.....	Columbus
Ronald Woodrow Woods.....	Mt. Sterling
Robert Paul Wyman.....	Chagrin Falls

(Ninety-five candidates)

Bachelor of Science in Dairy Technology

Floyd Wright Beal.....	Miamisburg
David Hill Brown.....	Warren
Franklyn Beecher Collins.....	Portsmouth
Keith Eldon Jenkins.....	Maumee
Hal Willard Peters.....	Defiance

(Five candidates)

* Two degrees

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Linda Halliday Baber.....	Washington C. H.
Alice Lorraine Baum (summa cum laude).....	Lockbourne
Patricia Hoskin Bieser.....	Dayton
Carolyn Irene Boggs.....	Plain City
Elizabeth Ann Bolon.....	Columbus
Susan Louise Borchers.....	Vandalia
Helen Olds Brotherton.....	Columbus
Mary Lucile Burns.....	Irwin
Nancy Cunningham Busey.....	Rocky River
Jeanette Chapman (cum laude).....	Harrod
Joanne Chapman (cum laude).....	Harrod
Camille Ann Colville.....	Walbridge
Linda Kay Conkle.....	Coshocton
Nancy Elaine Daugherty.....	Columbus
Ann Elizabeth Davidson.....	Columbus
Caroline Della Morte.....	Lafferty
Karen Jo Derck.....	Lakewood
Mary Ann DeVore.....	Ottawa
Marilyn Ann Dodd.....	Columbus
Nancy Ann Dunlap.....	Columbus
Nancy Elizabeth Earl.....	Marion
Patricia Lee Ecker.....	Columbus
Ruth Ellen Eickelberg (cum laude).....	Jackson
Janet Elaine Ellis.....	Washington C. H.
Olivia Maxine Flanagan.....	Cleveland
Janet Eloise Foos.....	Marion
Rebecca Eileen Fox.....	Tuscarawas
Johnnie Mae Gordon.....	Columbus
Beverly Gail Hanson.....	London
Katherine Ann Hardy.....	Columbus
Marjorie Joann Hasseman.....	Dalton
Sharon Catherine Hedges.....	Circleville
Martha Jane Henderson (summa cum laude).....	Cuyahoga Falls
Ruth Jo Herbert.....	Columbus
Julia Stella Hite.....	St. Paris
Joy Reed Hooper.....	Cadiz
Joan Marie Isler.....	Prospect
Ruth Gertrude Jackson.....	Troy
Patsy Burns James.....	Dayton
Geraldine White Johnson.....	Rossford
Carol Joanne Karling.....	Dover
Barbara Ellen Keister.....	Columbus
Jewel Shirley Kravitz.....	Cleveland
Susan Jean Long.....	Dexter City
Leann Lucas.....	Newark
Margaret Louise Lytle.....	Akron
Barbara Mansfield (summa cum laude).....	Elyria
Linda Kay Mateyka.....	Euclid
Mary Campbell McKinnon.....	Gahanna
Katherine Mae Miller.....	Marshallville
Jean Ann Moore.....	Celina
Patty Lou Munn.....	Portsmouth
Barbara Taylor Neely.....	Crestline

Judy Rubin Newman.....	Cincinnati
Gloria Saenz Ocano.....	Guatemala City, Guatemala
Caroline Lunn Ohnsman.....	Atlanta, Ga.
Doris Craig Peach.....	Salesville
Rochelle H. Pilzer.....	Columbus
Juliana Lynn Platt.....	Fly Creek, N. Y.
Dorothy Jill Preest.....	Columbus
Virginia Milner Purdy.....	Leesburg
Rosalynn Ann Reichert.....	Columbus
Joyce Ann Reitzel.....	Pemberville
Adel Smith Riegel.....	Canal Winchester
Ruth Cope Robinette (cum laude).....	Columbus
Joan Lee Robson.....	Columbus
Patricia Ann Rossetti.....	Columbus
Mary Ella Rowles.....	Pleasantville
Donna Salle.....	Ironton
Linda Stoer Scaggs.....	Mt. Sterling
Eleanor Pugh Schooley.....	Columbus
Sandra Dunkin Seitz.....	Milwaukee, Wis.
Margaret McClain Sessi.....	Columbus
Diana Mae Smith.....	Marion
Judith Anne Smith.....	Piqua
Patricia Louise Smith.....	Fredericktown
Terry Lou Smith.....	Rocky River
Linda Roach Snyder.....	London
Betty Earleen Stansbury.....	Columbus
Jeanne Boggs Sterling.....	Columbus
Nancy Jane Strayer.....	Cincinnati
Martha Anderson Stuller.....	Mt. Vernon
Emma Lou Tackett.....	McDermott
Julie Tenenbom.....	Miami Beach, Fla.
Donna Nicodemus Thomson.....	Pickerington
Molly Carolen Totz.....	Bellaire, Tex.
Karen Lee Tyler.....	Columbus
Sandra Lee Waggett (cum laude).....	Akron
Evelyn Kay Walker.....	Galion
Carla Jean Wamsley.....	Winchester
Ilo Perry Wiant.....	West Liberty
Carolyn Sue Williamson.....	Brookville
Sandra Rose Wilson.....	Marietta
Mary Sue Yosowitz.....	Vincennes, Ind.
Karen Louise Zeigler.....	Radnor

(Ninety-five candidates)

Bachelor of Science in Restaurant Management

Richard John Lazarchic.....	Mentor
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(One candidate)

COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

Bachelor of Arts

*William Harris Adams (cum laude)	Alger
John Merton Akester	Cincinnati
James Clarke Amon	Rocky River
Larry Ray Andrews (summa cum laude and with High Distinction in English)	North Baltimore
Pantelis Michael Angelides	Columbus
Jude Thaddeus Aubry	Toledo
Charlene Evelyn Ault	Columbus
John Lacy Baker	Columbus
Julia Fulks Baldwin	Chillicothe
James Roe Beatley, Jr.	Columbus
Jack King Bell	Springfield
Kent Franklin Bennington	Dublin
Amy Carol Berlove	Webster, N. Y.
William Charles Bigelow	Columbus
John Charles Birkimer (summa cum laude and with Distinction in Psychology)	Parma Heights
Robert George Bissell	Columbus
Harry Saul Block	Columbus
Gary David Bower	Dayton
Francis Anthony Brennan	Twinsburg
Lois Jean Bright	Toledo
Joseph Leonard Broz	Painesville
Ronald Arthur Bruns	Stryker
Terry Lynn Burton	Bellefontaine
Austin Barton Campbell	Pomeroy
Jack Eugene Campbell	Vandalia
Aaron Seymour Canowitz	Columbus
Sue Ann Cauffield	Ashtabula
Gary Ernest Coburn	New Boston
Linda Mae Collen	South Euclid
Mary Louise Coreno	North Olmsted
Donald William Crandall	Cincinnati
Arden Wayne Crum	Bucyrus
David Winston Doner, Jr.	Chillicothe
Keith Edward Dowling	Hartsdale, N. Y.
Stephen Harold Eibling	Columbus
Garland Jules Emig	Bucyrus
Richard Wayne Farquhar	Willoughby
Robert Terence Fascic	Worthington
Barbara Edith Feibel	Columbus
David Charles Ferbrache	Coshocton
Myrna Mateel Ferguson	Portsmouth
John Irwin Fischer	Columbus
Frederick Curry Fisher	Cedar Rapids, Ia.
Stephen Joel Fisher	Steubenville
Howard Hugh Fishkin	Oceanside, N. Y.
*Larry Albert Ford	Portsmouth
James Robert Fox	Columbus
David George Freeman	Lorain
†Donna Joy Freer	Toledo
Mary Ann Friend	Washington, D. C.

* Two degrees

† Degree and certificate

*Robert Phillip Gardner.....	Columbus
Susan Dorothy Gaty.....	Columbus
Alexander Vincent Gaudieri.....	Columbus
*James Noel George.....	Columbus
George Maier Gibson.....	St. Marys
*Peter Lee Gillett.....	Forest
Thomas Edward Gillette.....	Ravenna
*Richard Dale Gilson.....	Sandusky
Vincent Salvatore Giuliano.....	Wethersfield, Conn.
Marilyn Ethel Goldman (cum laude).....	Sedalia, Mo.
Frieda Ruth Goldstein.....	Cleveland Heights
Joseph Aloysius Gormley.....	Zanesville
*James Lowell Graham.....	West Jefferson
Edward William Gray, Jr.....	Galion
Janet Harriette Griffin.....	Berkeley Heights, N. J.
Herbert Allen Grodner.....	Columbus
Richard Kerwin Grubb.....	Columbus
Lee Earl Grugel (cum laude).....	Columbus
Donald Edgell Guinn.....	Columbus
Vonnie Ann Gurgin.....	Toledo
*Ardis Ann Hacker.....	Kent
Joan Dianne Halkyard.....	Findlay
Leo Joseph Hall.....	Columbus
Lois Clauss Hardy.....	Columbus
Clyde Patrick Harkins.....	Springfield
Howard Edward Harris.....	Columbus
Norma Jean Hazelbaker.....	Columbus
Robert Davis Henry.....	Columbus
Ned Williams Hersman.....	Worthington
James Lewis Hetrick.....	Columbus
Thomas Edward Deam Hicks.....	Columbus
Thomas Foster Hines.....	Mt. Vernon
†Carole Ann Hinkle.....	Columbus
*Robert Howard Houtz.....	Lima
Matthew Aloysius Howard.....	Columbus
Ronald Dean Hoyman.....	Millersburg
Carl Leroy Hull.....	Hillsboro
Mary Katherine Hummel.....	Columbus
Barbara Ann Jackson (cum laude).....	Huntington, W. Va.
George W. Jackson.....	Delaware
Henry Franklin Jackson.....	Atlanta, Ga.
Ronald Lee Jarvella.....	Conneaut
James Lowell Jolliff.....	Canton
Geraldine Kart.....	Parkersburg, W. Va.
Donald Lee Keneipp.....	Lima
Carolyn Lee Kennard.....	Portsmouth
Mary Elizabeth Kennedy.....	Bellefontaine
David Baker Kern.....	Lakewood
James Drayton Kidwell.....	Columbus
Sharon Rae Klein.....	Toledo
†Nancy Ann Kornath.....	Toledo
Roberta Ellen Kosser.....	Shaker Heights
*James Jacob Kozelek.....	Massillon
Hazel Emma Lacks.....	Akron
Mary Teresa Ann Latell.....	Girard

* Two degrees

† Degree and certificate

*Frederic Karr Lawrence.....	Chillicothe
James Kaufman Lawrence.....	Washington, D. C.
Drexanne Lawson	Cincinnati
Thomas Emerson Lenhart.....	Shaker Heights
Robert Lewis Levitin.....	Youngstown
Charlotte Michele Levy.....	Youngstown
June Diane Lively (cum laude).....	Watertown, N. Y.
Hugh Wilson Long III (cum laude).....	Ostrander
Joyce Edna Luketz.....	Columbus
Dimitri Luksza	Lorain
Anita Louise Mack.....	Mt. Vernon
James Stephen Madigan.....	Wadsworth
Robert Bruce Mahaffey.....	Worthington
Raymond Frederick Martin.....	Columbus
Enid Renee Masinter (cum laude).....	Roanoke, Va.
Walter Masula	Cleveland
Robert Green Mathews, Jr.....	Columbus
Philip Andre Mazur.....	Sandusky
†Carolyn Sue McCarty.....	Columbus
Donald Joe McElfresh.....	Dayton
Ruth Eleanor Meisinger.....	Dayton
†Carolyn Elizabeth Meister.....	Strongsville
George Mahlon Meyers, Jr.....	Circleville
Carole Ann Miller.....	Columbus
Michael Arthur Miller.....	Columbus
John Peter Milon.....	Columbus
Kathleen Parker Mitchell.....	Columbus
Charles Zale Moore.....	Toledo
Philip Roy Moots (cum laude).....	Columbus
Don Weiler Morrow.....	Worthington
*Myron Parker Mustaine, Jr.....	Columbus
Ronald Lamar Myers.....	Bellville
Leda Serey Nelson.....	Loveland
Carolyn Genevieve Newton.....	Lockbourne
*Errol Sheldon Nozik.....	University Heights
Walter Allan Packer.....	Mt. Sterling
Earl Alfred Palmer.....	Washington C. H.
Kathryn Mercedes Pearce.....	Dayton
Ellen Rebecca Pearl.....	North Miami, Fla.
William Louis Plicka.....	Cleveland
Lewis Eugene Plummer, Jr.....	Beverly
Ornella Mary Pompei.....	New York, N. Y.
Nicholas James Popely.....	Painesville
William Allen Porter.....	Columbus
George William Rader.....	Columbus
Ronald Albert Robins.....	Columbus
Eileen Roginski	Toledo
Stanley David Ross.....	Columbus
*Janet Helene Roth.....	Springfield
Kenneth Marvin Royalty.....	Cincinnati
Marcia Lee Schaffer.....	Corpus Christi, Tex.
Walter Lorry Schaffer.....	Cleveland
Harry George Scheele.....	Cleveland
Christopher Don Scheiderer.....	Columbus
Stephen Patrick Scherer.....	Columbus

* Two degrees

† Degree and certificate

Joseph Schlonsky	Columbus
Robert Leon Schwartz.....	Cincinnati
William Schwartz.....	Cleveland Heights
David William Schwertfager.....	Cleveland
William Anthony Semons.....	Columbus
George Ebbert Seney.....	Toledo
*Renee Cora Sherrow (summa cum laude).....	Lyndhurst
*Carol Gandee Shough.....	Toledo
†Karen Johnson Shumaker.....	Lakewood
Linda May Smart.....	Newark
Jeanne Ann Smith.....	Ashland
George Edward Snow.....	Columbus
Daniel Thomas Stack.....	Vermilion
Ezra Steiger.....	University Heights
Nancy Orewiler Steinberger.....	Lakewood
David Porter Stevens (cum laude).....	Columbus
Dennis Joel Stevenson.....	Shaker Heights
David Walter Stewart.....	Cleveland Heights
Edmund Rudolph Strauchen, Jr.....	Cincinnati
David Lewis Sutcliffe.....	Cleveland
Larry James Swingle.....	Columbus
David Michael Thomas.....	Newton Falls
Edward Hays Thomas.....	Lima
John Michael Tomasch.....	Shaker Heights
Patricia Ann Trumps.....	Columbus
James Steven Turner.....	Cleveland
*Jacquelyn Long Vaughan.....	Columbus
Connie Kay Vermillion (cum laude).....	Kenton
Andrew John Wahll.....	Columbus
Helga Schutte Watt (summa cum laude).....	Richmond, Ind.
Judith Nina Weiss.....	Cleveland
Michele Ellen Wender.....	Beckley, W. Va.
Robert William Werth.....	Clyde
Eva Josephine Wheeler.....	Mt. Gilead
Linda Ellen Whitham (summa cum laude).....	Falls Church, Va.
Dale Edward Williams (cum laude).....	Port Clinton
Mary Kay Woodman.....	Mansfield
Judith Anne Wright.....	Columbus
Harold Frank Yaker.....	Detroit, Mich.
Jan Robert Zehner.....	Bellevue
Ronald S. Zimmerman.....	Leesburg
David William Zisenwine.....	Columbus
John Paul Zucker.....	Shaker Heights

(Two hundred and two candidates)

Bachelor of Science

Carol Ann Mary Alberti.....	Great Neck, L. I., N. Y.
Robert Wilson Almoney, Jr.....	Dayton
James Nicholson Baird, Jr.....	Columbus
Stuart Francis Ballengee.....	South Charleston
Theodore Robert Beach.....	Mt. Vernon
David Lee Beckman.....	Dayton
Alexander Beim.....	Palisades, N. Y.
William Moffatt Bennett, Jr. (cum laude).....	Salem
Marvin Ivan Berkman.....	Canton
Arthur Sanford Blaiwes.....	Cleveland Heights

* Two degrees

† Degree and certificate

Roy Roman Bontrager.....	Beach City
Leo Patrick Boston, Jr.....	Martins Ferry
Robert Floyd Brayshaw.....	Worthington
Kenneth Parx Brooks.....	Springfield
Mary Jane Bryers.....	Cuyahoga Falls
William Henry Burton.....	Westerville
Russell Manly Cain.....	Columbus
Steven How Calmer.....	North Olmsted
Gerald Patrick Chubb.....	Columbus
George David Coder.....	Lakewood
Stephen Daniel Comer (with High Distinction in Mathematics)...	Columbus
James Corwin Craig.....	Baltimore
David Lloyd Cutler.....	South Euclid
Ralph Eldon Daulton.....	Seaman
Edgar Vernon Davis.....	Cincinnati
Louis Frank DeWein.....	Ashtabula
Theodore William Eggleston.....	Massillon
Christopher Alan Feuchter.....	Columbus
Herbert Hyde Fisher.....	Worthington
William Michael Fitzgerald.....	Columbus
Roger Lee Fleming.....	Waverly
Ralph David Freeman, A.B. (Miami University).....	Cleveland Heights
Jack B. Ganz.....	Cleveland Heights
Hossein Gharib.....	Teheran, Iran
Nancy Anne Godfrey.....	Mt. Vernon
Joanna May Goldschmidt.....	Circleville
David Lee Graham.....	Urbana
Collin Ruth Grisseau (summa cum laude and with High Distinction in Zoology).....	Dayton
Gail Elaine Grutznier.....	Morris Plains, N. J.
Barry Hemphill Gump.....	Chillicothe
Peter Klaus Hacker.....	East Liverpool
Phillip Richards Hadsell, Jr.....	East Cleveland
Oliver Frederick Hamilton, Jr.....	Springfield
Lennis Ann Harris.....	Belle Center
Richard Albert Hoffman.....	Cleveland
Arthur Glenwood Holt.....	Alliance
Oliver Charles Hosterman.....	Columbus
Dennis Miles Huston.....	Mt. Gilead
Edward Clifton Hyre.....	Lost Creek, W. Va.
Ritchie Alexander Ireland II.....	Charleston, W. Va.
George Vaughn Johnson (cum laude).....	Portsmouth
Paul Lee Jones.....	Greenville
Natalie Joan Katz.....	South Euclid
Kenneth Richard Kimble (cum laude).....	Lima
James David Kissel.....	Wauseon
Paul Harris Kleinstub.....	Cleveland Heights
Chase Downing Knight.....	Milford
Kenneth Jerome Koebel.....	Columbus
David Lawrence Kreidler.....	Columbus
Patricia Lou Lamnek.....	Mansfield
James Lamont III.....	Bellaire
Ruskin Billings Lawyer, Jr. (cum laude).....	Columbus
James Stratton Liljestrand (cum laude).....	Middletown
Robert Carl Lister.....	Marion
Ronald Edsel Lowe.....	Dayton

Lester Allan Lutz.....Poughkeepsie, N. Y.
 Susan Lynch.....Columbus
 Fred Gary Margolin.....University Heights
 William Frederic Maurer.....Middletown
 William Fredrick Maycock, Jr.....Parma
 John Alan Mayer.....Ironton
 Richard Fred McClish.....Grove City
 James Edward McCollam.....Uhrichsville
 Barbara Ann McKim (cum laude).....Newark
 Donald Lynn McOwen.....Sylvania
 David Henry Meyer (cum laude).....New Carlisle
 Michael Eugene Mickelson.....Columbus
 William Freer Milam, Jr. (cum laude).....Wintersville
 Donald Eugene Miller.....Chillicothe
 Lawrence Howard Miller.....Antwerp
 Robert Baer Miller.....Danville, Ky.
 James Douglas Morris.....Columbus
 John William Murphy.....Columbiana
 Richard Joseph Napoli (with Distinction in Psychology).....Kenton
 Theodore Joseph Ongaro.....Columbus
 Paul Bernard Oppenheimer.....Columbus
 Anthony Michael Parillo.....Girard
 Richard Oldfield Parker, Jr.....Canton
 Robert Edward Pfriem.....Cincinnati
 Mary Blanche Polley.....Niles
 Philip Dahl Predmore.....Findlay
 James Douglas Pritchard.....Belleville, Ill.
 Patrick Aurburn Quarles.....Columbus
 Judith Ann Rainey.....Columbus
 James Francis Ramaley (cum laude).....Columbus
 Frederick John Rankinen.....Conneaut
 Thomas Samuel Renshaw.....Columbus
 Alan Gloyd Resor.....Galion
 Corwin Edward Robinson (summa cum laude).....Mansfield
 Donna Marie Romano.....Steubenville
 Eugene Wallace Rork.....Springfield
 Jerry Charles Rose.....Coldwater
 Max Wilhelm Karl Rothemund.....Yellow Springs
 Myron Rubinfeld.....Youngstown
 David George Rummel.....Columbus
 Lewis Foster Sandel.....Columbus
 William Richard Sayle.....Chagrin Falls
 George Pease Schanz.....Richmond
 Howard David Shapiro.....Cleveland Heights
 Larry Jay Sheets.....Columbus
 David Rodney Smith (summa cum laude).....West Carrollton
 James David Smith.....Lima
 Helena Lillian Speiser.....Bethesda, Md.
 John Henry Clifford Spencer.....Cleveland Heights
 James Philip Springer.....Lisbon
 Alfred Warren Stinson.....Huntington, W. Va.
 Stewart Frederick Stock.....Pataskala
 James Clifford Stoll.....Massillon
 James Lynn Strait.....Logan
 Stephen James Sveda.....Ravenna
 Joseph Michael Tavano.....Cleveland
 Alan Kent Teaford (cum laude).....Greenville

Melvyn Harvey Tenenbaum.....	Cleveland
John Charles Thomas.....	Dayton
Joseph Oscar Thomas.....	Columbus
Janice Marian Thompson (cum laude).....	Mansfield
Jesse Lee Thrall.....	Columbus
Robert Francis Valentine.....	Lima
Michael George Van Winkle.....	Rocky River
Ralph Preston Walls.....	Reynoldsburg
Kerith Knott Warren.....	Huron
Judith Allison Weiner.....	Kettering
John David White.....	Lima
Rosalind Beatrice Wicker.....	Columbus
James Oliver Wilson.....	Canton
Gerard Coleman Wolf.....	Piqua
Jerry Balcom Wolfe.....	Newark
David Lowell Wright.....	Newark
Vivian Robinson Wynn.....	Cleveland Heights
Jonathan Ocellus Zabel.....	Bellingham, Wash.
George Edwin Zimmerman.....	Springfield

(One hundred and forty-two candidates)

Bachelor of Science in Medical Technology

Carol Ann Anderson.....	Columbus
Ilze Birzulis.....	St. Marys
Marilyn Ruth Erlenbusch.....	Columbus
Nancy Ann Fahy.....	Springfield
Georgia Harshman Gaiser.....	Windsor
Susan Mae Glick.....	Columbus
Marsha Jean Hartzler.....	Akron
Janet DiNicolantonio Hertzner.....	Girard
Nancy Hervis Karlin.....	Louisville, Ky.
Frances Stephanie Kocinski.....	Struthers
Charlene Kaye Lewis.....	Gallipolis
Patricia Ann McCarrick.....	Columbus
Judith Ellen Mehrling.....	Columbus
Giliard Moghadam.....	Columbus
Phyllis Ann Powell.....	Ada
Ann Riddell.....	Lyndhurst
Ursula Maria Schnetzer.....	Cincinnati

(Seventeen candidates)

Bachelor of Science in Physical Therapy

Frances Van Meter Agnew.....	Youngstown
Georgeann Ferree Allard.....	Portsmouth
Susan Jane Batchelder.....	Columbus
Barbara Hermine Betsch.....	Chillicothe
Janice Arlene Cobb.....	Springfield
Jane Frances Conyers (summa cum laude).....	Toledo
Florene Goldschmidt Dougherty.....	Circleville
Carolyn Eberhardt.....	Hamilton
Joan Carol Farr.....	Lakewood
Anita Miller Haenick.....	Youngstown
Nancy Sue Hood.....	London
Mary Adair Hybert.....	Ashtabula
Marcia Abrams Jaffe.....	Medina

Betty Hariette Kaplansky.....	Steubenville
Ann Louise Lewton.....	Springfield
Patricia Ann McNeil.....	Bucyrus
Janet Lucille Meister.....	Mansfield
Larry Dean Miller.....	Millersburg
Suzanne Moag Murphy.....	Rocky River
Joan Carol Nethery.....	Lyndhurst
Margaret Scott.....	Wyomissing, Pa.
Sally Dian Shumaker.....	Amherst
Joyce Anita Sopko.....	Cleveland
Judith Colby Stemen.....	Elida
Anne Linette Stiles.....	Parkersburg, W. Va.

(Twenty-five candidates)

SCHOOL OF JOURNALISM

Bachelor of Arts

Stephen Stalter Gussler.....	Columbus
DeVerle Titus Kershner.....	Martinsburg, W. Va.
Lawrence David Schultz.....	Oberlin
Doris Gay Searcy.....	Columbus
Ronald Glenn Shafer.....	Columbus
Dorothy Ann Spiva.....	Akron
Judith Lynn Taylor.....	East Sparta
James Kenneth Woodard.....	Piqua
Joya Maria Wyant.....	Canton

(Nine candidates)

SCHOOL OF OPTOMETRY

Bachelor of Science in Optometry

Alvin Sid Charme.....	Dayton
Allen Gerald DuBro.....	Dayton
William Waldo Hill (cum laude).....	Caldwell
Philip Evans Irion, B.Sc.....	Columbus
William Clinton Loudenslager, B.S. (Capital University).....	Verona
Richard Clark McClurg (cum laude).....	Portsmouth
Charles Russell Meek, B.Sc.....	Port Clinton
Jack Paul Melmed, B.Sc.....	Columbus
Melvin Selig Moss.....	Middletown
Edward George Schubert.....	Warren
Robert Alexander Schwab, B.Sc.....	Ashtabula
Walter Bruce Shary, B.Sc.....	Cleveland
Jerome Lawrence Sigalow.....	Brooklyn, N. Y.
Lucille Marzano Skarote, B.Sc.....	Campbell
LeRoy Martin Yeary, B.Sc.....	Euclid

(Fifteen candidates)

COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

Bachelor of Science in Business Administration

William Cornell Acklin.....	Newark
Peter Herman Alesch.....	Findlay
Jerry Clark Allen.....	Delaware
Judith Knoble Anderson.....	Fairview Park
Raymond Ivan Anderson.....	St. Clairsville
Carolyn Elizabeth Angell.....	Columbus
Don Thomas Bailey, Jr.....	Hanoverton
John Alan Baird.....	Columbus
Ronald W. Ball.....	Lebanon
Frederick John Beier.....	Columbus
Ronald Clyde Bender.....	Lexington
Paul Benes Berg.....	Lorain
Robert John Bettendorf.....	Columbus
Don Daniel Bianco.....	Columbus
George Edwin Bitler.....	Canal Winchester
Robert James Blackwell.....	Dayton
David Jeffrey Blumberger.....	Youngstown
Ronald Jay Brahms.....	Columbus
William Reed Breese.....	Galion
Wesley Harry Brinkman.....	Columbus
David Cuyt Bunting.....	Canton
Michael Edward Burney.....	Middletown
James Hall Callard.....	Columbus
Eugene Anthony Cardi.....	Columbus
John Rexford Carle.....	Youngstown
Benton Dale Casdorph.....	Columbus
Daniel Martin Cassell.....	Columbus
Albert Jackie Chafin.....	Columbus
Robert Chester Chamberlain.....	Canton
Richard Allan Chandler.....	Columbus
Therill Willard Clagg.....	Bidwell
Stuart Michael Clark.....	Akron
Eugene Cohen.....	Shaker Heights
Kenneth Jay Cole.....	University Heights
Laurence Wood Collins.....	Fair Haven, N. J.
Frederick Albert Corsmeier, B.S. in Forestry (Purdue University)	Appleton, Wis.
William Milton Cott.....	Columbus
John Kelly Craine.....	Columbus
Edward George Cvitkovich.....	Cleveland
Robert Wayne Dameron, Jr.....	Columbus
Richard Harold Darsky.....	Akron
Patricia Louise DeFrain (cum laude).....	Columbus
William Jerome Denk.....	Euclid
Roger Denis Detrick.....	Dayton
Taso Ernest Dontchos.....	Xenia
David G. Dowds.....	Urbana
William Francis Downey.....	Columbus
Dennis Miles Draeger.....	Rocky River
Jay Brian DuVernay.....	Rocky River
Dale Emerson Eager.....	Elyria

Theodore Edward Ebersold.....Bedford
 Judy Elnora Elick.....Payne
 Edward John Ferenc.....Cleveland
 Daniel Edward Ferensen.....Chagrin Falls
 David Victor Fette, Jr.....Sidney
 Alex Edward Fischer.....Cincinnati
 George Joseph Fleshman.....Columbus
 Thomas Charles Fulner.....Columbus
 Gary Lee Gearhart.....New Lebanon
 Richard Leone Gerren.....Conneaut
 *Peter Lee Gillett.....Forest
 James Theron Gilligan.....Charleston, W. Va.
 Gerald Goldberg.....Shaker Heights
 Marc Donald Gordon.....Cleveland Heights
 Donald Everett Gorewitz.....Maplewood, N. J.
 Jay Raymond Gramlich.....Columbus
 Judith Lucile Green.....Jamestown
 Donald Collier Griffith.....St. Louis, Mo.
 Frederick Steven Grumbach.....Fairview Park
 Lawrence Anthony Gunn.....Cincinnati
 Stephen Titus Guthrie.....Columbus
 Robert Reid Haley.....Columbus
 Sidney Winslow Hall.....Columbus
 Edna Ann Hamilton.....Cuyahoga Falls
 Seth Bennett Harris.....Shaker Heights
 Stephen Alter Harris.....Chicago, Ill.
 Richard Arthur Harrison.....Columbus
 Thomas George Hathhorn.....Youngstown
 Ernest Edward Hausknecht.....Cleveland
 Don Jefferson Hay.....West Jefferson
 Terence McGovern Henry.....Bennington, Vt.
 John Joseph Heron.....Steubenville
 Guillermo Herrera-Espinosa.....Potrerillos, Chiriqui, Panama
 Warren Thomas Hickmott.....Chillicothe
 Judson Cary Hite.....Canton
 Gregory Hochstetter.....Marion
 James Jacob Hoff.....Mansfield
 Joseph Michael Hoffman.....Columbus
 John Richard Humphreys.....Columbus
 Kenneth Hector Jones.....Mingo Junction
 Burton Allen Kalniz.....Toledo
 John Noble Karshner.....Westerville
 Lawrence Donald Katz.....University Heights
 Herbert Lee Kennedy.....Cincinnati
 Dale Alan Kinzel.....Westlake
 Nancy White Knoop.....Sidney
 John Forest Kreisel.....Kingston
 Philip Perry Krill.....Ashland
 Frederic Pierre Labrousse.....Andover
 Lawrence Wells Lawton (summa cum laude).....Columbus
 Bruce Blanchard Lax.....Massillon
 Ross Victor Leach.....North Little Rock, Ark.
 Diane Ruth Liebenthal.....Chagrin Falls
 Howard Sheldon Liff.....Beachwood
 David Neil Light.....Bucyrus
 Fred Anthony Ludwin.....Ashtabula

* Two degrees

Harvey B. Malamud.....	Cleveland Heights
Richard Alan Marling.....	Bellaire
Francis Johnston McGavran.....	Columbus
Donald William McKay.....	Cleveland
Thomas Bates McKinstry, Jr.....	Rocky River
Stephen Gary Meckler.....	South Euclid
Fred Bodimer Miller.....	Gallipolis
Howard Lewis Miller.....	Mt. Sterling
Nelson Keith Miller.....	Reading
Jay Paul Millikin.....	Detroit, Mich.
Thomas Edward Moore.....	Columbus
Joel Edwin Mosser.....	Lancaster
Frederic William Muench, Jr.....	Columbus
James Thomas Murphy.....	Columbus
Scott David Newman.....	University Heights
Donald Joseph Nezbeth.....	Sebring
Raymond Eugene Nicodemus.....	Columbus
Ira Herbert Novak.....	University Heights
Donald Walter Olson.....	Alma, Mich.
Robert Michael Pagura.....	Columbus
John Louis Park.....	New Lexington
Jerry William Parsons.....	Dayton
Stephen Joseph Pastva.....	Cleveland
William Butler Patrick.....	Avon Lake
Robert Eddy Pausch.....	Columbus
Christ Nick Proicou.....	Columbus
Larry James Raynak.....	Lorain
Dean Gordon Reinhard.....	Fostoria
Ronald Rodney Rhoades.....	Covington
David Wilson Ricketts.....	Coshocton
William Earl Ridenour.....	Springfield
John Lichtle Rider.....	Tiffin
Matthew Goodwin Roberts, Jr.....	Columbus
Steven Randolph Roberts.....	Lima
Lawrence Clayton Rogers.....	Columbus
Michael Barry Rubenstein.....	University Heights
Kenneth David Scheuer.....	Bay Village
John Frederick Schiller, Jr.....	Columbus
Werner Bertold Schmidt.....	Newark
Jon Michael Schorr.....	Columbus
Garry Brian Schwartz.....	Beachwood
Jon Davis Sells.....	Washington C. H.
Larry Eugene Sharp.....	Columbus
James Marlin Shoup.....	Mansfield
Robert Louis Smigel.....	Cleveland
Howard DeLoss Smith.....	Bryan
James Wesley Solze, Jr.....	Green Springs
Robert Earl Sparks (cum laude).....	Columbus
Earl Melvin Spector.....	Cleveland Heights
Daniel Timothy Spitler.....	Bowling Green
John Arthur Stahl.....	Youngstown
David George Sting.....	Columbus
Billy Ray Suitter.....	Columbus
Stephen Claar Swid.....	New York, N. Y.
Leland Lowell Swinehart.....	South Amherst
William James Tavenner.....	Springfield
James King Tully.....	DeGraff

Robert Ralph Tyler.....	Columbus
James Myron Underwood.....	Dayton
Franklin David Vance.....	Walbridge
William Volkmar.....	Westerville
James Jefferson Walls.....	Columbus
Joe Kent Ward.....	Wharton
Robert Eugene Waters.....	Marysville
Duane Leon Wear.....	Toledo
Thomas Robert White.....	Columbus
John Carleton Whitman.....	Gorham, Me.
Robert Craig Wiesenmayer.....	Wapakoneta
Charles Gerald Wittenmeier.....	Columbus
William Frank Wonderly.....	Dayton
Larry Raymond Woods.....	Columbus
Evan James Woodward.....	Worthington
Tom Cameron Wright.....	Columbus

(One hundred and seventy-nine candidates)

Bachelor of Science in Social Welfare

Donna Marie Anderson.....	Willoughby
Helen Jane Anderson.....	Rochester, Pa.
Judith Esther Clausus.....	Columbus
Janet Marie English.....	Loveland
Karen Ann Gossage.....	Columbus
Douglas Irving Grube.....	Columbus
Ronald Willard Kauffman.....	Columbus
Ellen Kay Klein.....	Cleveland
Rodney Warne Lawyer.....	Cambridge
Carolyn Anne Leedom.....	Marion
Victor Lee Libbe.....	Genoa
Joanne Manning.....	Columbus
Robert George Mason.....	Euclid
Jane Marlo Ralston.....	Cincinnati
Carol Catherine Robuck.....	Columbus
Beverly Jane Romanchuk.....	Ashland
Corinne Elizabeth Sells.....	Columbus
Bik-Yuen Wai.....	Hong Kong, China

(Eighteen candidates)

COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

Doctor of Dental Surgery

Allen Robert Appell.....	Canton
David Francis Attack, A.B. (Denison University).....	Rocky River
Richard Arlin Baden.....	Cincinnati
Lanny Eugene Beekman, B.S. (Ohio University).....	Springfield
Neal Wilson Bittinger, B.S. (Kent State University).....	Akron
Russell Lee Bowermaster.....	Hamilton
Robert Doris Brediger (cum laude).....	Brewster
Harold Dana Brown, Jr.....	Pomeroy
Leo Marvin Brown.....	Portsmouth
James Glenn Burch.....	Howard
Raymond Charles Burger, B.Sc.....	Akron
James Hansel Butler, A.B. (Denison University).....	Waverly
Louis Rocco Cannatti.....	Youngstown
Danny Lee Canterbury, B.S. (Bowling Green State University)....	Canton
George Eugene Clark.....	Lakewood
George Dugan Close.....	Cuyahoga Falls
Bruno Victor Cosentino.....	Canton
John Harold Cottrill, B.S. (Capital University).....	Logan
Alexander Lawson Couden, B.Sc.....	Columbus
William Raymond Cuckler.....	Athens
Marcel Joseph Daneault.....	Reynoldsburg
Charles Wilson Dickerson, B.A.....	Columbus
Don Fred Dixon, B.A. (College of Wooster).....	Struthers
David Lawrence Drake, B.S. (Heidelberg College) (cum laude)....	Tiffin
Kenneth Michael Dubuque.....	Cincinnati
Donald Allyn Dusseau.....	Toledo
Fred Ebetino, Jr.....	Fairborn
Norton Alvin Eisenberg.....	Shaker Heights
Mark Anthony Emerson, B.S. (Xavier University).....	Hamilton
Rex Homer Ervin.....	Wellston
Ronald Edwin Fessler, B.S. (Bowling Green State University)....	Ottawa
Michael Lee Fetterman, B.Sc.....	University Heights
Sanford Arnold Fox.....	Cleveland Heights
Sanford Martin Franklin (cum laude).....	Cincinnati
James Robert Freed.....	Springfield
*Robert Phillip Gardner.....	Columbus
Anthony James Giovinnazzo, B.S. (Kent State University).....	Ravenna
John L. Gresham, B.A.....	Cleveland
George Charles Guju, B.Sc. in Edu.....	Youngstown
Louis Carl Habig, B.S. (Xavier University).....	Cincinnati
Charles Millard Hammond, B.S. (Ohio University).....	Chillicothe
Donald Harry Harpster, Jr.....	Toledo
Dale Richard Hazelbaker (cum laude).....	West Union
George Richard Heck, B.S. (University of Dayton).....	Dayton
Alfred Louis Heller.....	Newcomerstown
John Francis Herberger.....	Avon
John Rudolph Heringhaus.....	Mansfield
William Benjamin Hickman.....	Worthington
Martin M. Holzinger.....	Dayton
Robert Glen Horne, B.S. (Wilmington College).....	Wilmington
Robert Lee Hosack.....	Toledo
*Robert Howard Houtz.....	Lima

* Two degrees

Joseph Eugene Hunter.....Dayton
Lamont Terry Jacobs, B.S. (Ohio University).....Youngstown
Herbert Wallace Kaplan.....Cleveland
Wade Dinsmore Kimball.....New Lexington
Donald Paul Lecklitner, B.S. (Pennsylvania State University).....Canton
Earl Burton Legome, A.B. (Syracuse University).....Shaker Heights
Joseph Roehm Lehman, B.A. (Otterbein College) (cum laude).....Dayton
John Michael Leslie.....Toledo
Robert Spencer Levering.....Piqua
Thomas Eugene Lindsey.....Columbus
Melvin Jay Lipton.....Dayton
Joseph George Livoti, B.A. (Ohio Wesleyan University).....Tiffin
George Daniel Lloyd, B.S. (Otterbein College).....Cleveland
Thomas George Makovic, A.B. (Western Reserve University).....Parma
Louis Malik.....Jefferson
Donald Henry Malnofski, B.S. (Xavier University).....Hamilton
John Michailides, B.S. (Kent State University).....Canton
James Robert Miller.....Springfield
Joseph John Mlakar.....Lorain
M. Dan Morris, B.Sc.....Westerville
Donald Richard Mosher.....Mt. Gilead
William Joseph Muldoon.....Columbus
Robert Andrew Nelson, B.S. (Xavier University).....Sharonville
James Patrick Oddis.....Willoughby
Leslie Howard Paley, B.S. in N.S. (John Carroll University)
University Heights
Daniel Wardell Peck.....Uhrichsville
James Huntley Phillips, A.B. (Ohio University) (cum laude).....Hudson
Hans Walter Polte, B.A.....Springfield
Charles Jacob Pommert.....Greenfield
Robert Joseph Quaranta, B.A. (Youngstown University).....Youngstown
James Bruce Reddin, B.S. (Ohio University) (cum laude).....Findlay
Ronald Francis Riviere.....Columbus
Ralph H. Rosenblum, B.A. (University of Wisconsin).....Columbus
Arnold Rosenthal.....Cleveland Heights
Chauncey Ted Roush.....Hillsboro
Thomas Newton Salmon.....Youngstown
Carl Chauncey Scott, B.A. (Kent State University).....Scio
Alexander Joseph Sebastian, Jr.....Youngstown
Richard Charles Sebastian (cum laude).....Columbus
Carl David Shaffer, B.A. (Ohio Wesleyan University).....Wadsworth
Masid Nassiff Shaheen, Jr., B.S. (University of Cincinnati) (cum laude)
Canton
Sanford Shifrin, B.S. (Ohio University).....University Heights
John Thomas Skinner, B.A. (cum laude).....Columbus
George Richard Smith.....Dayton
Morton Irving Smith.....Youngstown
Arthur Jakob Staehli.....Columbus
Lee Wayne Stahl.....Toledo
Raymond Talley Stewart.....Rocky River
Gary Jay Stombaugh (summa cum laude).....Bryan
Ralph Arnold Stromberg.....Shaker Heights
Richard Tavtigian, B.S. (University of Toledo).....Swanton
Robert Lee Teague, B.S. (University of Toledo).....Toledo
Lawrence George Thomas.....Euclid
William Robert Thomas, B.S. (University of Dayton).....Dayton

John Allen Thompson.....	Troy
Donald Douglas Todd.....	Dayton
Mark Louis Turner.....	Cleveland
Richard Henry Untch, B.S. (Mount Union College).....	Alliance
David Rhys Wagner.....	Portsmouth
Ruhl Eugene Warden, B.A. (Ohio Northern University).....	Leipsic
William Paul Weber.....	Canton
Glen Allen Whitten, B.Sc.....	Lakeland, Fla.
Ira Mason Willett.....	Columbus
Robert Alan Willis, B.S. (University of Dayton).....	Dayton
John Herbert Winkler, Jr., B.Sc. in Bus.Adm. (cum laude).....	Columbus
Wilferd Richard Wirtz, B.S. in S.S. (John Carroll University).....	Cleveland
Lawrence Dexter Woodford, B.S.Pharm. (University of Toledo)	
(summa cum laude).....	Columbus
Charles Albert Worton.....	Columbus

(One hundred and twenty candidates)

Certificate of Graduate Dental Hygienist

Judith Davison Arntz.....	Columbus
Christine Jo Assmann.....	Columbus
Ann Elizabeth Baldridge.....	Marysville
Melissa Severns Birnie.....	Worthington
Carolee Bridenbaugh.....	Dayton
Barbara Ann Bringman.....	Upper Sandusky
Bonnie Brinkman.....	Flossmoor, Ill.
Susan Ann Care.....	Canton
Cheryn Lee Clark.....	New Carlisle
Judith Earline Crews.....	Kettering
Emily Lou Crose.....	Westerville
Linda Sue Eisenman.....	Columbus
Kathleen Theresa Faller.....	Columbus
Joyce Ann Fischer.....	Euclid
Nancy Katherine Fletcher.....	Miamisburg
†Donna Joy Freer.....	Toledo
Donna Marie Freese.....	Dayton
Sandra Zimmerman Friedman.....	Cleveland
Doris Jean Gaeth.....	Oak Harbor
Alice Darlene Gard.....	Amlin
Karren Lee Gershow.....	Dayton
Janith Kay Goff.....	Akron
Carol Ann Gold.....	University Heights
Carol Good.....	Columbus
Karen Sue Good.....	Toledo
Judith Althea Hansley.....	Lancaster
Joan Rae Harvey.....	Clarksville
Carol Lee Hildebrand.....	Columbus
†Carole Ann Hinkle.....	Columbus
Carole Ann Horn.....	Milford Center
Gayle Catherine Humston.....	Middletown
Susan Jane Huston.....	Springfield
Mary Nora Igoe.....	Columbus
Leslie Lurie Kerxton.....	Cleveland
Margaret Rose Kettelman.....	Dayton
Carolyn Elizabeth King.....	Toledo
Kathleen Marie Kissling.....	Fostoria
Barbara Eleanor Knouse.....	Akron

† Degree and certificate

Nancy Jane Kohli.....	Lima
†Nancy Ann Kornath.....	Toledo
Sandra Lee Lane.....	Mt. Vernon
Eileen Lieberman.....	Canton
Lynnette Sue Lynn.....	Lima
Joan Elaine MacCallum.....	Detroit, Mich.
Betty Christina May.....	Springfield
†Carolyn Sue McCarty.....	Columbus
Leah LuAnn McCarty.....	Milford
Carolyn Sue McCrehen.....	Springfield
Sandra Lee McIntire.....	Columbus
†Carolyn Elizabeth Meister.....	Strongsville
Julie Anne Miller.....	Cincinnati
Trina Flannery Miller.....	Cincinnati
Eileen Mitman.....	Cincinnati
Ann Lisbeth Neely.....	Tacoma
Sandra Elaine Oxley.....	Fremont
Elaine Cleona Riehl.....	Canfield
Leslie Ann Rocker.....	Shaker Heights
Karen Lee Roush.....	Dayton
Margaret Ann Ryan.....	Columbus
Deena Faye Schlosser.....	Youngstown
Willeen Huck Shaffer.....	Columbus
†Karen Johnson Shumaker.....	Lakewood
Jill Silverman.....	Cincinnati
Veronica Wesley Sima.....	Canton
Judith Anne Speece.....	Columbus
Dianne Virginia Stoltz.....	Dover
Susan Margaret Taylor.....	Dayton
Merry Jo Thompson.....	Oberlin
Rosemary Tidings.....	Hamilton
Jodie Gaye Trace.....	Mt. Vernon
Charlotte Nist Wadsworth.....	Gambier
Carol Ann Waters.....	Rocky River
Barbara Lynne Weintraub.....	South Euclid
Melinda Weymouth.....	Bellefontaine
Barbara Ann Yeardley.....	New Lexington
Patricia Ann Young.....	Dayton

(Seventy-six candidates)

† Degree and certificate

COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

Bachelor of Science in Education

Wendy Merle Abrams.....	Columbus
Elmer Eugene Adams.....	Uhrichsville
Vahe Akashian, A.B. (LaFayette College) ; M.Sc. (cum laude)	Reynoldsburg
Lois Arlene Allbaugh.....	Granville
Laurian Allen.....	Columbus
Ronald Louis Anderson.....	Youngstown
Susan Anderson.....	Columbus
Annette Andre.....	Pataskala
Dorothea Alice Andrews.....	Plain City
David Leroy Angel.....	Dover
Dorothy Miller Ashman.....	Columbus
Sara Elizabeth Ashman.....	Columbus
Gerald Leroy Ashton.....	Clyde
Betty Carter Ausenheimer (summa cum laude).....	Bucyrus
Byron David Austin.....	Ashtabula
Sharon Elizabeth Baas.....	Columbus
Barbara Ann Bailey.....	Gallipolis
Amy Jane Baker.....	Columbus
Susan Lehrer Baker.....	Sandusky
Elaine Kathryn Ballitch.....	Plymouth
Sally Gibbs Ballou.....	Rocky River
Carol Blair Barnett.....	Ramsey, N. J.
Anna Lea Barry.....	Columbus
James Dale Bashore.....	Wilmington
John Fredrick Baumann.....	Amherst
Florence Ellinor Bay.....	New Concord
Joan Bayles.....	Worthington
Bonnie Ann Beck.....	Suffield
Ruthanne Hobson Benson.....	Columbus
Theodore Ivar Benson.....	Newark
Virginia Carr Benson.....	Carroll
Sylvia Stamper Bentley.....	Hindman, Ky.
Elaine Rollnick Berg.....	Dayton
Frank Gilbert Berlin.....	Delray Beach, Fla.
Carol Sue Bewley.....	Bellefontaine
Carmen Dell Bickel.....	Canal Winchester
Dorothy Jean Binau.....	Columbus
Regis Anthony Birekbichler, Jr.....	Westerville
Dorothy Jean Bittner.....	Yellow Springs
Donald Richard Bivens, B.A. (Kenyon College).....	Columbus
David Goddard Blackburn.....	Portsmouth
Dorothy Jane Bloomfield.....	Columbus
Donna Lou Bobb.....	Hillsboro
Eugene Lee Borden.....	Ashley
Carolyn Elizabeth Brahm.....	Worthington
Doris Gail Breckstein.....	Richwood, W. Va.
JoAnn Brettell.....	Steubenville
Joyce Whitrock Brock.....	Willow Wood
Joann Lee Broliier.....	Columbus
Ned Keith Brooks.....	Mt. Vernon

Myra Ann Brosch.....	North Olmsted
Patricia Alice Brown.....	Aberdeen
Robert James Brown.....	Prince Albert, Sask., Canada
Louis Joseph Brozina.....	Euclid
Joanne Veronica Buchar.....	Euclid
Lloyd Max Bunker, B.Mus.....	Marengo
Bobbie Lou Baesman Bunner.....	Columbus
Jack Douglas Burgess.....	Portsmouth
Rebecca Rogge Burns.....	Bryan
Barbara Edith Burt.....	Bay Village
Evelyn Butler.....	Lorain
Mary Ellen Butts.....	Radnor
Ann Byerly.....	Mechanicsburg
Esther Van Brimmer Byrd.....	Columbus
Richard Grant Callentine.....	Worthington
Gordon Armaray Campbell.....	Toledo
Charles Bayes Castle.....	Columbus
Gloria Kay Chaffee.....	Southington
Mary Eugenia Chase.....	Columbus
Sarah Ann Sau Ying Chock.....	Honolulu, Hawaii
Donald Eugene Clark, B.Sc. in Bus.Adm.....	Beloit
Carol Ann Coffman.....	Dublin
Thomas Charles Cook.....	Mansfield
Ann Machovina Corfman.....	Columbus
David Allen Cosand.....	Beloit
Kathleen Martha Cotter.....	Painesville
Suzanne Edesse Courchene.....	Dayton
Phyllis Marie Cranmer (cum laude).....	Portsmouth
Walter Gene Crooks.....	Middleport
Linda Lee Crowley.....	Newark
Carolyn Cummins.....	Chagrin Falls
Richard Daniel Curtiss.....	Columbus
Beverly Frances Dann.....	Shaker Heights
Brenda Schilling Davidorf.....	Columbus
Ellis Oakes Davis, Jr., A.B., A.M. (University of Michigan).....	Columbus
Karla Jean Davis.....	Warren
Kennard Michael Davis.....	Cleveland
Linda Jane Davis.....	Lima
John Patrick Davison, B.S. (University of Pennsylvania).....	Akron
Mary Eileen DeGreve (cum laude).....	Crestline
Sharon Lynn Dent.....	Columbus
Rose Francis Detrick.....	Vandalia
Ronald Marvin DeVore (cum laude).....	Columbus
Richard Gordon DeWeese, B.Sc. in Agr.....	Cincinnati
Sharon Elaine Diamond.....	Miami, Fla.
Maryalice Springer Dicke.....	Wapakoneta
Donna Pamela Dougherty.....	Columbus
Ronald Wayne Downing.....	Zanesville
Faye Hooten Dreeling.....	Columbus
Robert Lawrence Duffy.....	Columbus
Jane Ann Durbin.....	Columbus
Ruth Ann Durovchik.....	Cleveland
Barbara Sue Durst.....	Oceanside, N. Y.
Barbara Ann Easton.....	Ashtabula
James August Ebert.....	Norwalk
Karen Margrethe Ebstrup.....	Toledo
Sylvia Edelson.....	Cleveland Heights

Mary Ann Edstrom.....	Circleville
John Robert Eicher, B.A.....	Columbus
Sylvia Rose Eickhoff.....	Tipp City
Dale Eugene Elliott.....	Columbus
Marcia Elaine Elpern.....	Dayton
James Eldon Emswiler (cum laude).....	Columbus
Elizabeth Joan Evans.....	Dayton
Donna Sue Everitt.....	Columbus
Richard Ransome Farnsworth.....	Waterville
Gloria Lynette Fein.....	Cleveland
Dorothy Jane Ferris.....	Cincinnati
Hazel Bauer Fiers.....	Batesville, Ind.
Helene Judith Finberg.....	University Heights
Carol Anne Fischer.....	Columbus
Carol Frances Fisher.....	Cleveland Heights
Roger Maurice Folk.....	Junction City
*Larry Albert Ford.....	Portsmouth
Roberta Lee Frankel.....	Cincinnati
Deanna Patterson Frazier.....	Cincinnati
Frank Gaylord Frazier, B.A. (Ohio Wesleyan University) ; M.A.....	Bridgeport
Sharon Hope Freedman.....	Columbus
Inez Marianne Freeman.....	Worthington
Toby Ann Freezman.....	Steubenville
Marianne Fry.....	Hilliard
Sue Ann Fulton.....	Columbus
Margaret Ann Fulwider.....	Columbus
Carole Ann Gardner.....	Orrville
Elizabeth Jane Garmhausen.....	Chillicothe
Patricia Ann Gassman.....	Columbus
Dugan Stephen Gateff.....	Cleveland
Philip Downs Gay, B.Sc. in Agr.....	Chillicothe
Richard Kyle Gelbaugh.....	Springfield
Charles Leslie Gerhardt.....	Cincinnati
Ellen Catherine Gilbert.....	Columbus
Joan Barbara Gilbert.....	Forest Hills, N. Y.
Kay Diann Gillogly.....	Columbus
Elizabeth Ann Gimre.....	Columbus
Marlyn Dee Ginsburg.....	Shaker Heights
Joan Irene Glazer (cum laude).....	Columbus
Barbara Diane Glazman.....	Akron
Sandra June Goldsberry.....	Urbana
Mary Beth Goodman.....	Columbus
Janet Eleanor Gordon.....	Cleveland
Frances Marie Goschinski.....	Dillonvale
Martin Gottlieb, B.A.....	East Cleveland
Cynthia Charme Graf.....	Cincinnati
Sonya T. Gray.....	Niles
Raymond Lewis Grden.....	Cleveland
Jerry Allen Griffith.....	Marion
Martha Jane Griffith.....	Columbus
Thomas Bernard Grigorowicz.....	Bedford
Carol Coddington Grossman.....	Columbus
Robert Ted Grotsky.....	Columbus
Judith Ann Grubbs.....	Columbus
Marilyn Ann Guilliams, B.Sc. in Bus.Adm.....	Mt. Perry
Noel David Guitry.....	Columbus

* Two degrees

Judith Ronsheim Guttman.....	Cincinnati
Carole Kay Haager.....	Canton
Robert Lloyd Haas.....	Galion
*Ardis Ann Hacker.....	Kent
Carol Ruth Hahn.....	Bucyrus
Ralph Leonard Hall.....	Hartsville
Sylvia Ann Hamilton.....	Hamilton
Sue Ann Hammel.....	Dayton
Linda Jean Hanesworth.....	Columbus
Marcus Keith Hanna.....	Cuyahoga Falls
Barbara Ann Harris.....	Highland Park, Ill.
Anita Jane Hartman.....	Brecksville
Clara Yoko Hashimoto.....	Honolulu, Hawaii
John Joseph Havlicek.....	Adena
Kenneth Earl Heaps, B.A. (College of Wooster).....	Mt. Vernon
Suzanne Therese Heinmiller.....	Columbus
Barbara Jean Hinton.....	Milford Center
Jane Howard Hipley.....	Columbus
Judith Ann Hofacker.....	Newark
Carol Hammond Housden.....	Columbus
Richard Roger Howard.....	Lucasville
Betsy Anne Howsmon.....	Ashtabula
Joyce Kay Huffman.....	Gibsonburg
Lenore Alice Hummer, B.A.....	South Amherst
Evelyn Greene Hunter.....	Vermilion
Flora Jane Hyatt.....	Columbus
Maxine Beth Jacobs.....	Columbus
Patricia Ann Jaggard.....	Columbus
Marilue Jeffers.....	New Carlisle
Thomas Leland Jeffers.....	Columbus
Eugene Byron Jefferson.....	Columbus
James Lamar Jenkins.....	Cleveland Heights
Martin David Jenkins.....	Carey
Sandra JoAnn Jennings.....	Columbus
Judith Ann Jester.....	Columbus
Albert Neil Johnson.....	Columbus
Deanna Lynn Johnson.....	Dayton
Marianne Ward Johnson.....	Columbus
Mary Frances Ritter Jordan (cum laude).....	Columbus
Janet Huber Joyce (cum laude).....	Columbus
John Albert Justus.....	Columbus
Judith Arlene Kaiser.....	Newark
Patricia Ann Kana.....	Cleveland
Arlyne Ann Kanter.....	Columbus
Judith Carolyn Katzman.....	University Heights
Susan Joy Kaye.....	Cleveland Heights
Linda Sue Asay Kazee.....	Columbus
Gary Martin Keller.....	Prospect
Karen Kelley.....	Columbus
Mary Alayne Kenney.....	Dayton
Judith Ann Kerr.....	Columbus
Janice Gurnel Kidnocker.....	Chillicothe
Virginia Louise Kidwell.....	Bay Village
Richard Dean King.....	Wooster
Warren Fred Kirchner.....	Cincinnati
John Barry Kline.....	Columbus

* Two degrees

James Charles Kloman.....	Columbus
Keitha Maxine Knecht.....	Stoutsville
Marlene Joyce Knell.....	Bucyrus
Mary Kay Knight.....	Adena
Robert Montgomery Knight.....	Orrville
Karen Lynne Knudsen.....	Ashtabula
Nancy Marcella Koch.....	Cuyahoga Falls
Carol Jean Kochis.....	Lorain
Diane Jean Koss.....	Euclid
Sharon Kay Kraner.....	Pickerington
John Floyd Krouskop.....	Russells Point
Vivian Brandt Kuehn.....	Columbus
Marcella Louise Kysilka.....	Cleveland
David Edward LaBounty.....	Ashtabula
Catherine Louise Larrimer.....	Columbus
Linda Louisa Lash.....	Bridgeport
*Frederic Karr Lawrence.....	Chillicothe
Diane Marie LeCrone.....	Columbus
Betsy Jean Lehman.....	Rushville
Johnetta Lee Lehman.....	Bannock
Patricia Dee Leighton.....	Cuyahoga Falls
Judith Rhoda Lerner.....	Clarksburg, W. Va.
Judith Ellen Levich.....	Cleveland Heights
Joseph Daniel Lewis, B.A., M.A.....	Columbus
Wendy Sanford Lewis.....	Rye, N. Y.
Joan Karen Liedner.....	Shaker Heights
Marcia Stouffer Lieser.....	Columbus
Janet Catherine Lignetta.....	Ashtabula
David Morton Lile, Jr.....	Dayton
Carolyn Reidy Liles.....	Columbus
Dorothy Jean Linard.....	Portsmouth
James Eugene Lindner.....	Enon Valley, Pa.
Leona Faye Linn.....	Columbus
Nancy Jean Locke.....	Mechanicsburg
Raymond Francis Lodge.....	Leetonia
Ronald Wesley Long.....	Springfield
Susan Elizabeth Mackensen.....	Columbus
Merry Ann Maidlow.....	Columbus
Lorraine Ann Marks.....	Trotwood
Judith Lynne Marsh.....	Tampa, Fla.
Ralph Vernon Marsh.....	Columbus
Judith Anne Marshall.....	Dayton
Sue Daugherty Marshall.....	Portsmouth
Carole Louise Mason (summa cum laude).....	Columbus
Diane Irene Maver.....	Cleveland
Clara Louise May.....	Steubenville
Toby Cecile Maziar.....	Atlanta, Ga.
Mary Louise Schade McCally.....	Warren
Barbara Ann McCloskey.....	Coldwater
Charles Alton McCloud (cum laude).....	Yuba City, Calif.
Gladys Irene McCoy.....	Cleveland
Sharon Louise McCoy.....	Columbus
Norman Wesley McCray.....	Crooksville
Diane Alane McDowell.....	Dublin
Nancy Martin McDowell.....	Mt. Vernon

* Two degrees

Edgar Mack McFadden, A.B. (Miami University)	Bloomington
Judith Claire McKibben	Euclid
Margaret Anne McMaster	Columbus
William Gerald Meckler	Cleveland
John Thomas Mercer, B.Agr.E.	Columbus
Robert Arnold Merkle	Milford Center
Susan Fay Meyer	Columbus
Linda Lee Meyers	Columbus
Carol Jean Michaelson	Columbus
Carole Del Miller	Fremont
James Joseph Miller	Millersburg
James Robert Miller, Jr.	Copley
Marilyn Kay Miller	Columbus
Susanne Maria Miller	Killbuck
Lois Annette Mirsch	Lakewood
Helen Jeanne Moore	Rittman
Lowell Thomas Moore	Columbus
Mary Ann Morgan	Middletown
Anne Roberts Morton	Youngstown
Monya Kay Mosberg	Mansfield
Rona Elaine Moskowitz	Cleveland Heights
Ward Franklin Mowery	Coshocton
Joseph John Mramor	Lorain
Thomas Alexander Mroczka	Cleveland
Thomas Joseph Murray, Jr.	South Boston, Mass.
Louis Jack Nachman	Columbus
Carolyn Alspaugh Neely	Tipp City
Joseph Harold Neidig	Columbus
Firl Wayne Nicholson	Columbus
Bonnie Jo Nickerson	Columbus
Robert Lawrence Nolan, B.Sc. in Bus.Adm.	Columbus
Susan Lehew Noll	Lancaster
Jane Lea Nuske	Rocky River
John Karol Oblak	Cleveland
Rebecca Ohnsman	Marysville
Patricia Jean O'Leary	Painesville
Thomas Cheuvront Olson	Maitland, Fla.
Sara Jane Ott	Akron
Wayne Lemone Owens	Steubenville
Betty Jean Park	Columbus
Richard Dale Parshall	Marion
Raymond Francis Pauken	Maumee
Larry Franklin Paul	Gibsonburg
Joanne Elizabeth Payne	Springfield
Marylee Corder Peck	Columbus
Donald George Pelley	Ashtabula
Winning Susan Pendergast	Morral
Luther Gale Perkins	Richwood
Andrew Mitchell Perler, B.A.	Columbus
Patricia Lee Perme	Euclid
Robert Allen Petty	Columbus
Molly Ann Phillips	Columbus
Sonia Phipps	Oberlin
Alice Lorainne Platte	Columbus
Suzanne Schreiber Pliskin	Cincinnati
Willis Dean Pond	Urbana
Eileen Joyce Portney	Dayton

James Elwood Poulton.....	Columbiana
James Ishmael Prater.....	Kings Mills
Ronald Michael Presutti.....	Wellsville
Richard Adrian Price.....	Solon
John Edward Pruitt.....	Columbus
Jayne Ann Rabold.....	Columbus
Victoria Rains.....	Columbus
Karen Ann Rainsberg, B.A.....	Columbus
Gail Jean Ratner.....	Lakewood
Robert Ronald Reall.....	Columbus
Charlotte Anne Reed.....	Columbus
Wayne Gaylon Reese.....	Lyndhurst
James Edward Reutener, B.Sc. in Agr.....	Vermilion
Judith Reynolds.....	Columbus
Orval J. Rice.....	Urbana
Selma Smith Richwine.....	Columbus
Virginia Sue Riebel.....	Columbus
Yvonne Eileen Rienschield.....	Worthington
Paul Edward Rine.....	Zoar
Sharon Arlene Ringle.....	Cleveland
John Robert Roach.....	Columbus
Mae T. Roberts.....	Columbus
Melba Ella Roberts.....	Columbus
Judith Ann Robinson (summa cum laude).....	Columbus
Julie Anne Robinson.....	Columbus
Margaret Turpin Roetzel, B.A.....	Nevada
Margaret Elizabeth Rollo.....	East Cleveland
Nancy Lou Romanoff.....	Springfield
Evangeline Constantine Rorris.....	Columbus
Teri Stoller Rose.....	Cincinnati
*Janet Helene Roth.....	Springfield
Patricia May Roush.....	Columbus
Ruby Jean Roush.....	Urbana
Norman Rovick.....	Columbus
Janet Marlene Rubel.....	Summerfield
David Paul Ruch.....	Massillon
Roy Edwin Rudd.....	Bethel
Flora Teres Russ.....	Dayton
Marilynn Christine Sadler.....	Lyndhurst
William Robert Sadler.....	Bay Village
Betty Saldana.....	Whitehouse
Deanna Rae Saltzman.....	Cleveland
Mary Packer Sambuco.....	Martins Ferry
Janet Ellen Sandroek, A.B. (Western College for Women)....	Bay Village
Leslie Joan Savage.....	Detroit, Mich.
Stephen Mike Scarvelis.....	Mt. Vernon
Joan Elizabeth Marie Schaer.....	Worthington
Judith Rita Schimmelman.....	Dayton
Paul Reynaud Schneider.....	Bellaire
Judith Anne Schwarz.....	Gahanna
Phillip Edwin Scott.....	Plain City
William Walter Seiling.....	Lima
Margaret Diane Sellers.....	Columbus
John Berkeley Shafer, B.A. (Marshall College).....	Columbus
Margie Wellman Shafer.....	Columbus
Lois Burkepile Shane.....	Lexington

* Two degrees

Carol Kittinger Shannon.....	Geneva
Carol Lee Shannon.....	Columbus
*Renee Cora Sherrow (summa cum laude).....	Lyndhurst
Sarah Anna Shifflette.....	Columbus
*Carol Gandee Shough.....	Toledo
Edgar Henry Shroyer.....	Hialeah, Fla.
Alice Teila Shuff.....	Columbus
Judith Kay Shultzman (cum laude).....	Orrville
Larry Eugene Siegfried.....	Shelby
Gene Edmund Sievert.....	Mt. Vernon
Arnold Edmond Skidmore, Jr.....	Geneva
Abram Freeman Sloan.....	Huntsburg
Carl Vernon Smith.....	Fairborn
Jeanne Louise Smith.....	Danville
Judith Curry Smith.....	Marysville
Sheilah Frances Smith.....	Cleveland
David Wayne Snapp.....	Urbana
Sally Jeanne Snider.....	Rochester, N. Y.
Clarabelle Bertha Snively.....	Yellow Springs
Sheila Mae Starke.....	South Euclid
Charles Bruce Stevenson.....	Toledo
Jean Elizabeth Stewart.....	Columbus
June Beth Stewart.....	Columbus
James Edward Strouse.....	St. Marys
Beverly Jean Suffecool.....	Tiffin
Sandra Sue Sullivan.....	Bowling Green
Marsha Louise Swartz.....	St. Marys
May Anna Swearengin.....	Delaware
Robert Louis Talarico.....	Yorkville
Janice Carole Taylor.....	Gambier
Elizabeth Peyton Telfair.....	Sabina
Karen Skony Thimmes.....	Cincinnati
Elizabeth Zane Thomas.....	Columbus
Julianne Thompson.....	Akron
Kenneth Robert Thompson.....	Columbus
Margo Kay Thompson.....	Marion
George Robert Thomson, Jr.....	Lakewood
David Lee Tingley.....	Springfield
Barbara Franklyn Tolar.....	Euclid
Harriet Debra Tolchinsky.....	Cleveland Heights
Janice Wilburn Townsley.....	Cedarville
Lynn Judith Trager.....	Chicago, Ill.
Richard Edward Travis.....	Columbus
Carol Ann Tsaloff.....	Akron
Hazel Manner Uhlich.....	Mansfield
Donald Eugene Urban.....	Newark
Robert Elwood Vail, Jr.....	Columbus
*Jacquelyn Long Vaughan.....	Columbus
Laura Sloman Vaughan.....	Columbus
Earl Eugene Veits.....	Cleveland
Billy Carroll Vest.....	Willoughby
Jack Eugene Wallace.....	Middletown
Charles Robert Warthen.....	Newark
Donald Lewis Weatherby.....	Columbus
Mary Ann Weinlein.....	Marysville
Mary Ann Weinman.....	Strasburg

* Two degrees

Richard Alan Weis, B.A.....	Cincinnati
Robert David Welsh.....	Columbus
Roger Dennis Wengert.....	Blacklick
Frances Kilgore Wentworth (cum laude).....	Newark
Jerry Lee White.....	Barlow
Evelyn Irene Whittaker.....	Forest
Janet Marlene Wickline.....	Cincinnati
Franklin David Wilson.....	East Liverpool
Jane Sherwin Wilson.....	Sabina
Mary Diana Wilson.....	Medina
Phyllis Jean Wilson.....	Ashtabula
Latricia Mae Winburg.....	Jamestown, N. Y.
Jane Ann Wolfe.....	Conneaut
Rosanne Wolpert.....	Hilliard
Libby Jane Woodard.....	Columbus
Barbara Lee Wren.....	Worthington
Bruce Butler Wright, B.Sc. in Agr.....	Pierpont
Jo Ann Nickerson Wright.....	Fairview Park
Karen Lynne Wright.....	Canal Winchester
Martha Jean Wright.....	Columbus
Stanley Richard Yake.....	Cardington
Sarah Fayga Yavitch (cum laude).....	Columbus
Myrna Anne Yeakle.....	Columbus
John Denman Young.....	Holgate
Edward Henry Zepp, B.A.....	Cleveland
Judith Graham Zumbach.....	Bartlett

(Four hundred and sixty-nine candidates)

Bachelor of Fine Arts

Richard Edwin Allison.....	Columbus
David Wesley Baird.....	Greenhills
Frank Maurice Betsch.....	Columbus
Ann Lynn Boyce.....	Columbus
Katherine Houston Deeg.....	Columbus
John Nicholas DeLillo, Jr.....	Cleveland
Judith Eloise Dersch.....	Columbus
Mary Karrell Duncan.....	Columbus
Sue Ann Evans.....	Van Wert
Nancy Helen Fahey.....	Valley Stream, L. I., N. Y.
Kathleen Ellen Gideon.....	Lima
James Lee Hanley, Jr.....	Westerville
Paula Christine Haustetter.....	Norwood
Paul David Horton.....	Pickerington
Robert Emmett Hutchinson.....	Lancaster
Armond Clay Jordan.....	Columbus
Larry Gene Kelly.....	Bryan
Melvin Jack Martin.....	Canton
Lillie Ann Mooney.....	Columbus
Carol Magdalene Mussetter (cum laude).....	Wilmington
Frederick John Pitthan, Jr.....	Wapakoneta
Mary Jean Potter.....	Columbus
Carrye Elizabeth Pugh.....	Toledo
William Murrell Schenk.....	Cincinnati
Gary Dean Shepline.....	Wapakoneta
Jean Felix Taylor (cum laude).....	Columbus
Kenneth Allan Valimaki.....	Fairport Harbor

Susan Warner.....Lakewood
 Barbara Jean Wolfe.....Columbus
 (Twenty-nine candidates)

Bachelor of Music

Carol Ann Gearhart.....Columbus
 Dale Edward Hency.....Columbus
 Barbara Mary McDermott.....Cleveland
 William Coyle Wharton, B.S. (Tulane University).....New Orleans, La.
 (Four candidates)

**Bachelor of Science
 in Occupational Therapy**

Rosa Partlow Hartsook.....Columbus
 Shanti James.....Champawat, Almora, India
 (Two candidates)

COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

PROFESSIONAL DEGREES

Ceramic Engineer

- Harry Edward Davis, B.Cer.E., 1919.....New Concord
Thesis: Factors Influencing Shrinkage in a Dust-Pressed Tile Body
Samuel Rusoff, Cer.Engr., 1914.....Tiffin
Thesis: A Study of Basic Granular Refractories
(Two candidates)

Chemical Engineer

- William J. Mead, B.Ch.E., 1948.....West Orange, N. J.
Thesis: Problems Peculiar to Plant Design and Operation in Latin America
(One candidate)

Welding Engineer

- Emory Daugherty Hecox, B.I.E. (Welding), 1941.....Riverdale, Ill.
Thesis: The Promotion of Welding Efficiency and Progress through Scientific Standards and Incentives
(One candidate)

Bachelor of Aeronautical and Astronautical Engineering

- John James Apple.....Piqua
Richard Eldon Beverly.....Sabina
Charles William Caudy.....Troy
James Herald Colegrove.....Columbus
Ronald Lee Crossen.....Polk
Charles Edward Etter (cum laude).....Casstown
Joseph Tony Fanti, Jr.....Uhrichsville
Frederick William Hessman.....Waterville
Michael Hewitt Hinchman.....Columbus
Ross Guy Luce.....Poland
Michael Theodore Moore.....Cincinnati
Edward Michael Repic.....Cleveland
George Stacy Weislogel.....Columbus
(Thirteen candidates)

Bachelor of Agricultural Engineering

- Richard Waldo Eckstein, Jr.....Chagrin Falls
John David Firebaugh.....Wooster
*Robert Charles Hansen.....Bellevue
*Robert Giffen Holmes (cum laude).....Urbana
William Ireland III.....Georgetown, Del.
Fredrick Edwin Memmer.....Holgate
Dwight Warren Michener, B.Sc. in Agr.....Waynesville
(Seven candidates)

Bachelor of Ceramic Engineering

- Dennis Brent Augenstein.....Lowell
Dale Alvin Fronk.....Dover
David Michael Miller.....Uhrichsville

* Two degrees

Dale Edward Niesz (cum laude).....East Sparta
 Dwight Stanley Whittemore.....Natick, Mass.
 *Thomas Rea Wright.....Dennison

(Six candidates)

Bachelor of Chemical Engineering

John David Birle (summa cum laude).....Columbus
 Martin Frank Cohen.....Columbus
 Norman David Friedberg.....Columbus
 Kenneth James Fulk.....Ashland
 Robert Edwin Harris, B.A. (College of Wooster).....Massillon
 George Michael Hauswirth, B.Pet.E.....Elyria
 Richard Laird Hoffman (cum laude).....Columbus
 Jon Anthony Oxley (cum laude).....Newark
 Jerry Thomas Reed.....Mansfield
 William Pierre Rozon.....Potsdam, N. Y.
 Donald Eugene Schwaderer.....Green Camp
 Dean Snider.....Celina
 Michael Joseph Sorocak.....Newton Falls
 Michael David Winfield.....Grove City
 Edward Theodore Woodruff.....Tiffin

(Fifteen candidates)

Bachelor of Civil Engineering

Ahmad Nazeem M. Zehdi Abass.....Tripoli, Lebanon
 James Lewis Albright.....Columbus
 William David Ankney.....Dover
 Thomas Robert Brooks.....Lakewood
 James Henry Eaton.....Bryan
 William Franklin Edwards.....Columbus
 Ivan Wilbur Fink.....Canton
 Paul Douglas Goard.....Ashland
 Alan Charles Goetz.....Wickliffe
 George Peter Grivas.....Columbus
 Thomas Robert Hughes.....Columbus
 Ernest Frank Jones.....Chagrin Falls
 Myron Douglas Lair.....Columbus
 Donald Edward Mackling.....Bucyrus
 David Lee Moore.....Bryan
 Richard Roger Nagel.....Napoleon
 Wayne William Norcross.....Hamilton
 Donald Edwin Pahl.....Swanton
 Dale Bruce Parke.....Sidney
 Gerald Edward Scheid.....Cleveland
 Donald Eugene Shaffer.....Burgoon
 Dennis Herbert Sherman.....Shaker Heights
 Paul Frederick Steiner, Jr.....Upper Sandusky
 Robert Lee Yoder.....Bellevue

(Twenty-four candidates)

Bachelor of Electrical Engineering

Albert Charles Abnett.....Bucyrus
 Charles Albert Benson.....Mansfield
 Ralph Gerald Boyd.....Newton Falls
 Charles Todd Bunnell.....Bradford
 Richard Cobbold Busick (cum laude).....Marion
 Robert Virlyn Byrd.....Columbus

* Two degrees

Richard Michael Chapman.....	Columbus
Robert Seiberling Cunningham.....	Barberton
Edison Monroe Davis.....	Findlay
Terry Ward Duffy.....	Chillicothe
Charles Joseph Fette (cum laude).....	Sidney
Robert John Foskett.....	Medina
Gerald Anthony Gantzer.....	Columbus
Shelton Edwards Green.....	London
Lawrence Asher Gross.....	Cleveland Heights
William Henry Grosz.....	Columbus
Roger Allen Grubic.....	Columbus
William Sitterle Hagler.....	Xenia
Thomas Henry Hoffman.....	Fairview Park
John Wesley Householder.....	Delaware
James Eugene Kirtland.....	Galion
Paul Arthur Longmire.....	Columbus
Roger Lee Lowther.....	Cardington
Michael Stephen Mamrick.....	Girard
Robert Lewis McConnell (cum laude).....	Mt. Vernon
Charles Anthony Monia.....	Lorain
Sidney Richard Nemzer.....	Worthington
Steve Robert O'Donnell (summa cum laude).....	Steubenville
Terence Ray Patton.....	Shiloh
Paul Andrew Quirk.....	Akron
Lamonte Hale Retz, Jr.....	Columbus
David Lee Sansbury.....	Columbus
David Jeffery Shrewsberry.....	Mansfield
John Morris Smith (summa cum laude).....	Columbus
*Allan Wilbur Thompson.....	Adrian, Mich.
David George Towers.....	Peekskill, N. Y.
John Edwin Tucker.....	Westerville
Martin Howard Tyo, Jr.....	Columbus
Loy Allen Updegraff, Jr.....	Worthington
Robert Edward Updegraff.....	Worthington
Thomas Raymond Watkins.....	Columbus
Donald Bruce Werner.....	Columbus
Paul Amba Wilkinson, Jr.....	Wellington
John Lloyd Word (cum laude).....	Dayton
Edward Augustine Yarnovich.....	Cleveland

(Forty-five candidates)

Bachelor of Industrial Engineering

James Frederick Barre.....	Worthington
Irving Norman Blickstein.....	Ashtabula
Thomas Buskirk Crabill (cum laude).....	Tiffin
Joseph Henry Hawkins.....	New Richmond
Richard Charles Hill.....	Columbus
Jack Edward Hobbs.....	Columbus
Robert LeRoy Kister.....	Ashtabula
James Philip Kohr.....	Rocky River
Ned S. Neely.....	Galion
Olof Norling-Christensen, Jr.....	Wilmette, Ill.
Thomas Edward Snyder.....	Bryan
Volney Taylor.....	Portsmouth
Florian James Tilosanec.....	Lorain
Robert Miner Wygant.....	Ashland

(Fourteen candidates)

* Two degrees

Bachelor of Mechanical Engineering

James Allen Baum.....	Tiffin
George Edward Bergen.....	Bucyrus
Gordon Engle Christman.....	Woodsfield
Ralph Edward Clark.....	Tiffin
Theodore Roosevelt Comstock, Jr. (cum laude).....	Cincinnati
Ernest Nicholas Demarchi.....	Warrensville Heights
Richard Riley Edmister.....	Columbus
Raymond LaMar Fowler.....	Fremont
Paul Kenneth Geiser.....	Lancaster
Hugh Frederick Groth.....	Chagrin Falls
William Edward Hawkins.....	Warsaw
Darryl Edward Helton.....	Norwood
Peter Aloysius Kamis.....	Cleveland
Jerome Mark Katusha.....	Cleveland
Harry Everett Ladd.....	Cutler
Paul Carl Lappert.....	Columbus
James Starmer Laub, B.Sc. in Agr.....	Napoleon
Robert Richard Lurvey.....	Fairport Harbor
Gerald Charles Mittendorf.....	Avon
Edward Walter Parken.....	Fairview Park
George Charlesworth Ross.....	Columbus
Richard Carl Roth.....	Madison
Gajinder Singh.....	Ludhiana, Punjab, India
Donald Armstrong Smith.....	Lakewood
Paul David Smith (cum laude).....	Grove City
Kenneth Thomas Theodore.....	Youngstown
Terry Kenneth Woods.....	Canton
Richard Archer Wynn.....	Cleveland Heights
Eugene Elliott Yore.....	Hilliard

(Twenty-nine candidates)

Bachelor of Metallurgical Engineering

*James Sheridan Foster (summa cum laude).....	Huntington, W. Va.
Gopi Krishnamurti.....	Madras, India
Allan Anthony Kulick.....	Lorain
Lowell Jerome McEowen (cum laude).....	Massillon
William Henry Pfeifer.....	Akron
Gordon Leshar Starr.....	Grand Island, Nebr.
Stephen William Zeller.....	Middletown

(Seven candidates)

Bachelor of Engineering in Mining

John Frederick Clarkson.....	Columbus
Robert Eugene Murray.....	Bethesda
*John William Patterson (cum laude).....	Lorain
Norman Michael Yonko.....	Shadyside

(Four candidates)

Bachelor of Petroleum Engineering

Kenneth Roland Burke.....	Zanesville
Richard William Horchler.....	Mansfield

(Two candidates)

* Two degrees

Bachelor of Science in Physics

*Phillip Edward Fraley (cum laude)	Lewisburg
*Edward Emerson Hagenlocker (cum laude)	Ostrander
John Coleman Love	Columbus
Theodore Joseph Schoenbeck	Cleveland
David Arthur Sealer (cum laude)	Ashland
John Harold Shafer	Napoleon
*Donald Ray Sigman (cum laude)	Cambridge
*Duane Arthur Warner (summa cum laude)	Arlington
(Eight candidates)	

Bachelor of Welding Engineering

James Willard Bradley	Marysville
James Hogg Frazier, Jr.	Detroit, Mich.
Richard Bruce Gwin	Wooster
Robert Lee Hipley	Columbus
Thomas Edward Lewis	Columbus
Edward Clark Ruff	Chillicothe
John Whittier Slemmons	Delaware
(Seven candidates)	

SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE

Bachelor of Architecture

James Harold Bean	Xenia
Visvaldis Bokums	Columbus
George Stanley Bulford	Worthington
Sheldon Fred Feinstein	Mayfield Heights
Philipp Neil Glaser	Fostoria
Jean Patrick Gordon, B.F.A.	Columbus
John Dicke Haines	Dayton
Edward Bock Hartford	Lisbon
James Edward Hays	Columbus
William Earl Hosterman	Akron
Thomas Edward Ingledue	Niles
Paul Albert Jaros	Dayton
William Frank Kellis	Lebanon
William Patrick Kelly	Worthington
Gary Gordon Miller	Youngstown
Richard Dean Strayer	Waterville
John Ralph Trittipo	Gambier
Walter Spencer Withers, Jr.	Wilmington, Del.
(Eighteen candidates)	

Bachelor of Landscape Architecture

David Lee Hays	Hamilton
Jerry Lowell Tanner	Columbus
Carlos Perez Villamil-Suarez, B.S. in Ag. (University of Puerto Rico)	Humacao, Puerto Rico
(Three candidates)	

* Two degrees

COLLEGE OF LAW

Dean: FRANK R. STRONG

Juris Doctor

James Benjamin Atleson, B.A.....Shaker Heights
*James Lowell Graham.....West Jefferson
James Richard Scott, B.S. in Bus. (Miami University).....Cambridge
James Lyman Wilcox, B.A.....Galloway
Clarence Arthur Wilson, Jr., A.B. (Capital University).....Columbus

(Five candidates)

Bachelor of Laws

Alexander Andreoff, B.S.C. (Ohio University).....Springfield
Josiah Hillerman Blackmore II, A.B. (Miami University).....Columbus
William Ralph Bowlus, B.S.C. (Ohio University).....Fremont
Larry Gene Brake, B.Sc. in Bus.Adm.....Mansfield
Robert Derr Brand.....Ashland
John Day Bricker, A.B. (Dartmouth College).....Columbus
James Kenneth Brooker.....East Canton
David Barrett Canter, B.S. (Northwestern University).....Portsmouth
Edward John Cass, B.Sc. in Bus.Adm.....Cleveland
Bruce Linden Christy, B.Sc. in Edu.....East Cleveland
Steven Edward Cichon, B.Sc. in Bus.Adm.....Piney Fork
Joseph Carroll Cizmadia, B.A. (Ohio Wesleyan University).....Columbus
Robert Lee Cohodes, A.B. (University of Michigan)...Iron Mountain, Mich.
James Marshall Cole, B.A.....Shaker Heights
Blake Martin Danner, B.A.....Wooster
Norman Jay Danzig, B.A.....Akron
Donald Andrew Davies, A.B. (Dartmouth College).....Middletown
Ronald Evan Davis, B.Sc. in Bus.Adm.....Columbus
Wray Dilgart, B.A., B.Sc. in Bus.Adm.....Columbus
Terence Dennis Dinan, B.A.....Zanesville
Marshall Brown Douthett, B.A. (Ohio Wesleyan University)...Cincinnati
Nicholas Joseph Dugovich, B.A.....Lorain
Richard Arthur DuRose, B.A.....Euclid
Ronald Joseph Endrizal, A.B. (Ohio University).....Lorain
Robert Hull Farber, Jr.....Columbus
Edward Paul Forgrave, B.S. (University of Denver).....Columbus
Arthur Edward Freedman, B.A. (Yale University).....Cincinnati
Allen Douglas Freehafer, B.A. (Ohio Wesleyan University).....Mansfield
Peter Jordan Gee, B.A. (Kent State University).....Medina
*Richard Dale Gilson.....Sandusky
William Thomas Guarnieri, B.Sc. in Bus.Adm.....Cleveland
Sandra Carolyn Hicks, B.A. (Howard University).....Columbus
Thomas Courtney Hughes, B.A. (Ohio Wesleyan University).....Newark
Gerald Samuel Jacobs, B.A.....Canton
John David Judge, B.S. in Bus.Adm. (University of Akron).....Barberton
Alan Smith Kerxton, B.A.....Silver Spring, Md.
Anne Margaret Knisely, B.S. (New Jersey College for Women);
M.D. (Western Reserve University).....Grove City
*James Jacob Kozelek.....Massillon
Gerald Burtram Lackey, B.A.....Youngstown
Thomas Anthony LaPolla, B.Sc. in Bus.Adm.....Niles
Charles Samuel Lopeman, A.B. (Wittenberg University).....Bellaire
Dean Stuart Lucal, B.A.....Berlin Heights
Richard Sheldon Mann, A.B. (Denison University).....Columbus

* Two degrees

David Dwight Mattes, A.B. (Wittenberg University).....	Springfield
Michael Robert McKinley, A.B. (Ohio University).....	Ashland
Richard Eugene Meredith, B.Sc. in Bus.Adm.....	Lima
Harvey Steiger Minton, B.Sc. in Bus.Adm.....	Columbus
Gaile Dean Moore, B.A.....	Dayton
Robert James Moore, B.Sc. in Bus.Adm.....	Columbus
*Myron Parker Mustaine, Jr.....	Columbus
*Errol Sheldon Nozik.....	University Heights
James Leslie Pazol, B.A.....	Shaker Heights
Donald Peppers, B.A. (Kenyon College).....	Cincinnati
John Joseph Petro, B.A.....	Columbus
David Howard Pohl, B.Sc. in Bus.Adm.....	Columbus
Fred Gifford Preston, B.Sc. in Bus.Adm.....	Columbus
Harry Pettus Rife, B.A.....	Leesburg
Jerry Lee Riseling, B.Sc. in Bus.Adm.....	Canton
Morlee Asher Rothchild, B.Sc. in Bus.Adm.....	University Heights
Edward Joseph Schack, B.A.....	Ashtabula
Jacob A. Schlosser, B.Sc. in Bus.Adm.....	Columbus
Gary Lee Stansbery, A.B. (Ohio University).....	Marion
Clarence Buford Taylor, B.A.....	Columbus
William Joseph Thompson, B.S. in Bus. (Miami University).....	Greenville
Daniel Terrence Wilson, B.A. (Akron University).....	Akron
Benjamin Louis Zox, B.A. (Williams College).....	Columbus

(Sixty-six candidates)

* Two degrees

COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

Doctor of Medicine

*William Harris Adams.....	Alger
Nick Charles Albert, B.A. (DePauw University).....	Cleveland
Welzie Marion Allen, B.S. (Purdue University).....	Cleveland
Robert James Andrews.....	Cleveland
Irl Edwin Baker, A.B. (Western Reserve University).....	Newark
John Edward Bakos, B.A.....	Akron
Richard Charles Barr, B.S. (University of Akron).....	Cuyahoga Falls
Richard Wayne Belcher, B.S.Pharm. (University of Toledo) (summa cum laude).....	Canton
Richard Albert Bell, B.Sc.....	Columbus
Philip James Bernard, B.Sc.....	Canton
Henry Lee Bishop, A.B. (Miami University).....	Columbus
Bradley Nelson Boen, B.A. (Ohio Wesleyan University).....	Dayton
Frank Richard Bowers, A.B. (Olivet Nazarene College).....	Amelia
Lois M. Breidenbach, B.A.....	Dayton
William Edward Bronson, Jr., A.B. (Harvard University).....	Cincinnati
Robert Edward Caporal, B.S. (University of Dayton) (cum laude).....	Dayton
Edmund Casper, B.A. (Kent State University).....	Tiltonsville
Jerry Lee Cooper, B.A.....	Columbus
Clarence Devon Cotterman, B.Sc. in Edu. (cum laude).....	Columbus
Delbert Edwin Craner, B.Sc.....	Bucyrus
Norman Davis, B.Sc.....	Youngstown
David Wallis DeMuth, B.Sc.....	Hicksville
Rosemary Cecilia Dobson, B.A.....	Columbus
Larry Nicholas Dotin, A.B. (Wittenberg University) (cum laude)	Springfield
Robert Michael Dulaney, B.A.....	Zanesville
Alan Grant Edwards, B.S. (Marietta College).....	Marietta
Patricia Martin Edwards, B.Sc.....	Lima
Thomas Joseph Fazio, B.S. (University of Dayton).....	Springfield
Jerold Bruce Federman, B.S. (University of Akron).....	Akron
Sidney Vincent Foster, B.A. (Ohio Wesleyan University).....	Delaware
Charles Donavon Fraley, A.B. (Taylor University).....	Hollansburg
James Worthy Gahman, B.Sc.....	Elida
Edmond Walter Gardner, B.A. (Kent State University).....	Port Clinton
Walton Richard Garner, B.S. (Capital University).....	Columbus
*James Noel George.....	Columbus
Robert Frank Gilbert, A.B. (Miami University).....	Columbus
Robert Allen Gill, Jr., B.Sc.....	Columbus
Dorsey Lee Gilliam, A.B. (Ohio University).....	Dayton
Anthony Joseph Gingo, B.S. (University of Akron).....	Akron
Michael Bruce Gordon, A.B. (University of Michigan).....	Toledo
Harry Eugene Guda, B.S. (Purdue University) (cum laude).....	Cleveland
Knute Ralph Guerrier, B.A.....	Leetonia
Alan Lee Guttman, B.S. (Ohio University).....	Amberly Village
John Michael Harper, B.S. (University of Notre Dame).....	Springfield
Terrence Nicholas Hart, A.B. (Ohio University).....	Canal Winchester
Larry Lee Hipp, B.Sc.....	Holgate
Glenn Dale Hisrich, B.Sc.....	Stone Creek
Samuel Lee Hollobaugh.....	Painesville
Robert George Houser, B.Sc. (cum laude).....	Findlay
Richard Charles Howland, B.A.....	Toledo

• Two degrees

Haynes Byrns Robinson, Jr., B.Sc.....Akron
 Henry Damiano Rocco, A.B. (Ohio University); M.Sc.....Cleveland
 Albert Milton Russell, B.S. (Mount Union College).....Canton
 William Harvey Sanders, Jr., A.B. (Miami University).....Columbus
 John Joseph Sanitato, A.B. (Western Reserve University).....Cleveland
 Maria Anna Schiefer, B.S. (Notre Dame College).....Barberton
 Boyd Lee Schultz, B.S. in Pharm. (Ohio Northern University)
 (cum laude).....Lyndhurst
 Leonard Schutz, B.A. (summa cum laude).....Columbus
 David Roland Sharer, A.B. (Oberlin College).....Columbus
 Michael Charles Sheskey.....Columbus
 Marvin Slesh, A.B. (Western Reserve University).....Cleveland
 Richard David Smith, A.B. (Ohio University).....Fort Myers, Fla.
 John Chester Snell, B.S. (Denison University).....Cleveland
 Kenneth Charles Snyder, A.B. (Miami University); M.Sc.....Wadsworth
 David Arthur Stewart, B.S. (University of Toledo).....Toledo
 Charles Denny Stienecker, B.Sc.....Delphos
 Leigh Hamilton Stockstill, B.A. (Ohio Wesleyan University).....Dayton
 Walter William Stoll, Jr., A.B. (Western Reserve University).....Marshallville
 Charles Harper Taggart, A.B. (Oberlin College).....Dayton
 Richard Martin Tellefsen, B.Sc.....Toledo
 Paul William Terrell, B.S. (Wilmington College).....New Vienna
 Erwin R. Thal, B.Sc.....Toledo
 Nick Peter Trifelos, B.Sc.....Canton
 Wesley Hugh Van Fossen, B.Sc.....Columbus
 James Alan Vaughan, B.S. (University of Akron).....Akron
 John Edwin Wagler, B.S. (Eastern Mennonite College).....Hartsville
 Rosemary Cecilia Waidner, B.Sc.....Columbus
 Charles Arthur Waltz, A.B. (Ohio University).....Massillon
 James Richard Waltz, A.B. (Ohio University).....Massillon
 Richard Harold Ward, B.S. (Heidelberg College).....Columbus
 Kenneth Daniel Webster, B.S. (University of Akron).....Akron
 Gary Lowell Whitacre, B.S. (Ohio University).....Chesterhill
 Clark Conner White, Jr., B.S. (Westminster College).....Poland
 Jack Owen Williams, A.B. (Oberlin College).....Columbus
 Thomas Jackie Williams, B.S. (Wilmington College).....Franklin
 Ronald Yulish, A.B. (Western Reserve University) (cum laude) ..Cleveland
 (One hundred and thirty-nine candidates)

SCHOOL OF NURSING

Bachelor of Science in Nursing

Linda Kay Amos.....Van Buren
 Judith Louise Attebery.....Cleveland
 Dorothy Ayers Augenstein.....Perryssville
 Tamara Beth Bloom.....Swanton
 Nancy Ann Brodbeck.....Flint, Mich.
 Constance Jean Brust.....Londonderry
 Barbara Ann Bryant.....Hamilton
 Carolyn Louise Budd.....Worthington
 Linda Carolyn Claar.....Lancaster
 Judith Ann Coleman.....Swanton
 Juliet Ann Coles.....Columbus
 Susan Jane Cornell.....Wapakoneta
 Linda Margaret Cubbege.....Portsmouth

Judith Wolf Davison.....	Mansfield
Liane Marie Demyan.....	Lorain
Judith Ann Drake.....	Coshocton
Marlene Ann Drake.....	Cincinnati
Nancy Robbins Draut.....	Middletown
Kathryn Lee Durant.....	Newark
Leah Elizabeth Evans.....	Columbus
Alice Ann Fair.....	Millersburg
Nancy Fasolo.....	Rocky River
Janice Bahler Fitzgibbons.....	New Philadelphia
Mary Pauline Frame (summa cum laude).....	Amsterdam
Doris Elizabeth Fullerton.....	Wooster
Sarah Ellen Furrow.....	Troy
Erika Pfaff Gerke.....	Cleveland
Nancy Kay Gieringer.....	Cincinnati
Donna Leah Glass.....	Columbus
Linda Dayle Gordon.....	Dayton
Carol Sue Greer.....	Dayton
Ethel Anne Grover.....	Willoughby
Margaret DeMars Grund.....	Maumee
Peggy Ann Gugler.....	Lima
Stephanie Lando Gurwin.....	Columbus
Brenda Kay Hamrick.....	Columbus
Lynn Myfanwy Harris.....	Delaware
Sandra Louise Harstine.....	West Lafayette
Janet Gale Harvey.....	Columbus
Janis Dale Harvey.....	Columbus
Beverly Neffner Hayes.....	Columbus
Carole Ann Hess.....	Columbus
Alice Jeanne Hilty.....	Delta
Carole Jeanne Hines.....	Uhrichsville
Charlotte Ann Horn.....	East Fultonham
Sue Elizabeth Hoskin.....	Strongsville
Margaret Elaine Hritsik.....	Ambridge, Pa.
Carolyn Ruth Hullinger.....	Marysville
Mary Annette Hutcheson.....	Alliance
Cynthia Jo Ingmire.....	Mt. Gilead
Karen Ploesser Jarvis.....	Canton
Barbara Haagen Johnson.....	Columbus
Rebecca Johnson.....	Williston
Lojann Kay Jund.....	Centerville
Margaret Mayhew Keyser.....	Strasburg, Pa.
Ann Elisabeth Kinsel.....	Fairborn
Mildred Stein Kirn.....	Cuyahoga Falls
Phyllis Eleanor Kuhnle.....	Germantown
Jeanne Manhart Lanning.....	Bowling Green
Judith Ann Lohr.....	London
Nancy Elizabeth Long.....	Gallipolis
Linda Sharon Lowry.....	Akron
Mary Jo Manbeck.....	Bellevue
Elizabeth Estelle Marsh.....	Berea
Janice Blumgren Masters.....	Columbus
Shirley Smith Miller.....	Columbus
Kay Cameron Musgrave.....	London
Patricia Louise Nelson.....	Euclid
Nancy Nolan.....	Athens

Carol Lynne Pedersen.....	Canton
Gail Ann Pleiman.....	Russia
Rosemary Louise Purdy.....	Oxford
Hallie Porter Redman.....	Reynoldsburg
Marilyn Jean Rice.....	Canfield
Marilyn Ann Roberts.....	Orrville
Barbara Alice Samuel.....	Circleville
Caroline Spoerl Schaller.....	Bowling Green
Diane Allene Schiska.....	Bellville
Aleta Dawn Schmidt.....	Findlay
Eldonna Marie Shields.....	Lorain
Penelope Ann Sibold.....	Lima
Judith Lee Snow.....	Cleveland
Joanne Horvath Staley.....	Cincinnati
Kay Gunther Stewart.....	Lima
Judy Kay Stubbs.....	Upper Sandusky
Judith Douglas Swabby.....	Delaware
Phyllis White Tedrow.....	Gallipolis
Joyce Rae Topping.....	Cleveland
Sharon Kay Trout (summa cum laude).....	Delaware
Phyllis Jean Wanamaker.....	Youngstown
Linda Lee Warner.....	Columbus
Mary Louise Watiker.....	Zanesville
Susan Catherine Wile.....	Greenfield
Ann Leslie Wolfe.....	Arcadia
Kathleen Kay Yoakum.....	Kansas
Nancy Lee Youngen.....	Kettering

(Ninety-six candidates)

COLLEGE OF PHARMACY

Dean: LLOYD M. PARKS

Bachelor of Science in Pharmacy

Sarah Barouh.....	Columbus
Hugh Edward Bonnoront.....	Sidney
Judith Anne Burch.....	Akron
Robert Wallace Butler.....	Columbus
Gretchen Davis Chick.....	Magnolia
Kenneth Thomas Cook.....	Columbus
Marilyn Lowe Croy.....	McConnelsville
Patricia Arlene Denney.....	Newark
Robert Jules DuPont.....	Mt. Vernon
Edwin Allen Earhart.....	Columbus
Robert Howard Ehlers.....	Louisville
Robert Joseph Elliott.....	Springfield
Saul Jacobs Fesman.....	Columbus
Jan Howard Garner.....	Port Clinton
John Joseph Germaine.....	Mt. Gilead
Richard Allen Hahn.....	Columbus
William Dorn Hanscel, A.B. (Miami University).....	West Jefferson
James Deloss Hawkins.....	Cuyahoga Falls
Joel Katsumi Ito.....	Lakewood
James Lee King.....	Dayton
Edward Louis Kruger.....	Galion
Joan Mae Lamberton.....	Worthington
George Grant Leonard.....	Logan
Lowell Roger Lowary.....	Columbus
Robert Ralph Lunato.....	Parma
Linda Lucille Lynn.....	Utica
Takashi Masuoka.....	Chardon
Joseph David McCallister.....	Bucyrus
Judith Ann McCauley.....	Poland
Frank Martin McLain.....	Dayton
Edward Lynn Miley.....	Wooster
Thomas Ovid Oesterling (with Distinction in Pharmacy).....	Butler, Pa.
Jerry Edward Oliver.....	Nelsonville
Joseph William Oliver, B.S. in M.E. (Ohio Northern University)	Barberton
Yung Kyw Park, B.S. (Wilmington College).....	Taegu, Korea
Susan Emille Pitass.....	Hamburg, N. Y.
George Beach Rings.....	Findlay
Paul Luther Schiff, Jr.....	Columbus
Allan Herbert Schwartz, B.A. (Youngstown University).....	Youngstown
John Edgar Schwilk, B.S. (Kent State University).....	Akron
Anita Rudolph Seidemann (cum laude and with Distinction in Pharmacy)	Shaker Heights
Narendra Jivanlal Shah, B.Sc. (University of Bombay)....	Bombay, India
Thad Howard Sieg.....	Richwood
Gene Lee Stauffer (with Distinction in Pharmacy).....	Hicksville
Richard Arlen Sullivan.....	Columbus
Gerald Szames, B.A.....	Columbus
Barbara Marie Timmins.....	Columbus
Francis Wayne Todd.....	Bellevue
Marilyn Jane Wigger.....	Cleveland

Edward Harley Wilford.....Orrville
Jack Arnold Witchey.....Beallsville
(Fifty-one candidates)

COLLEGE OF VETERINARY MEDICINE

Dean: WALTER R. KRILL

Doctor of Veterinary Medicine

Ervin Loraine Akins, B.S. in Agr., M.Sc. (summa cum laude)	Brinkhaven
*David Morgan Bates	Columbus
Thomas Lee Beckett	Lawrenceburg, Ind.
Thomas Lynn Bibb, B.S. in Agr. (Virginia Polytechnic Institute)	
(cum laude)	Beckley, W. Va.
Phillip Nelson Boehm, B.S. in Agr. (cum laude)	Whitehouse
Robert Alcott Buroker, B.Sc. in Agr.	West Liberty
Thomas John Clarke	Glendale
John Chandler Curry, B.S. (Wilmington College)	New Burlington
Robert Lowell Cutlip	Hillsboro, W. Va.
Thomas Eugene Dicke, B.Sc. in Agr.	New Bremen
*Robert Potter Dilbone	Sidney
Robert Lawrence Donovan	Cleveland
Lilita Kalcenavs Edge, B.Sc.	Hilliard
James Larry Emerson	Pleasant Lake, Ind.
Ralph James Farnsworth, B.Sc. in Agr.	Whitehouse
Kenneth Howard Fox	University Heights
Richard Edward Friar, B.Sc. in Agr.	Lindsey
David Robert Glynn	Cleveland Heights
Rollo Paul Greer, B.S. (Baldwin-Wallace College)	Elyria
James Glendon Grove, B.Sc. in Agr.	Powell
James Carroll Hall	Grove City
John William Haughn	Richwood
Edward Henry Holliger, B.Sc. in Agr.	Avon Lake
Ray Ernst Jacobsen, B.Sc. in Agr.	Madeira
Robert Oscar Jepsen, B.Sc. in Agr.	Canal Winchester
Gary Russell Johnson	Canton
Frederick Jay Keller, B.Sc. in Agr.	Akron
Larry Hamilton Kiracofe, B.Sc. in Agr.	Fredericktown
Donald Gene Knapke (cum laude)	Coldwater
William Francis Leese, B.S. in Agr. (University of Connecticut)	Manchester, Conn.
Allan George Manus	Aurora
Paul Wayne Mellick	Shiloh
Jonathan Gilmore Mercer, B.Sc. in Agr.	Akron
David Paul Miller	Sandusky
Russell Raymond Miller	Republic
*Thomas Larry Mostoller	Bath
Arthur Allen Neuenschwander, B.Sc. in Agr.	Columbus Grove
*Donny Lewis Notter	Gallipolis
Roland George Oliver, B.Sc. in Agr.	Cleveland
Myrna Lou Papurt, B.Sc. in Agr.	Cleveland
Roy Olin Persinger, B.Sc. in Agr.	Cloverdale
Frederick Lee Rader	Shiloh
Richard Dean Ramseyer	Holmesville
John Phillip Reber	Apple Creek
Donald Roger Redman, B.Sc. in Agr.	Reynoldsburg
*Fletcher A. Reynolds II	Cleveland
*David Harold Robinson	Steubenville
Jack Kirk Schaefer	West Middletown
Edward Albert Sexsmith	Hiram

* Two degrees

Emerson LeRoy Shroyer.....	Botkins
Siegfried Ernst Sieber, B.Sc.....	Cincinnati
James Earl Sims.....	New Concord
James Sediquet Smith, B.Sc. in Agr.....	Columbus
Emilie Agnes Sorm.....	Strongsville
Carl Gordon Sparling, B.Sc. in Agr.....	Columbus
Eugene George Strahler.....	McConnelsville
James Farris Taylor.....	Akron
Donald Vernon Tebbe.....	Fort Recovery
Jack Lewis Timmons.....	Circleville
Donald Austin Waltman, B.Sc. in Agr.....	Millersburg
Robert Anthony Weil.....	Mt. Healthy
Thomas Lee Wilkey.....	Urbana
James Arthur Williams (summa cum laude).....	Urbana
Bernard Vaughn Wood.....	Grafton, W. Va.
*Frederick Allen Wood.....	Columbus
Frank Ernest Woodson, B.S. (West Virginia University)	
	Springfield, W. Va.
Mark Bertsch Woodward.....	Cambridge City, Ind.

(Sixty-seven candidates)

* Two degrees

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
NINE HUNDRED AND SEVENTY-FIRST MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 15, 1962

The Board of Trustees met at its regular monthly meeting on Friday, June 15, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn and John W. Bricker.

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The minutes of the last meeting were approved.

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June 15, 1962 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Motor Vehicle Registration Fees for Faculty, Staff and Students--1962-63

The Commission on Traffic and Parking with the concurrence of the Vice President, Business and Finance, and the President's Cabinet has recommended that the faculty, staff and student registration fees for parking be increased to the following amounts, effective October 1, 1962.

	<u>Zone A</u>	<u>Zone B</u>	<u>Zone C</u>
October 1, 1962 through September 30, 1963	\$15.00	\$8.00	\$7.00
January 1, 1963 through September 30, 1963	12.00	7.00	6.00
April 1, 1963 through September 30, 1963	9.00	6.00	5.00
July 1, 1963 through September 30, 1963	6.00	5.00	5.00

The registration fee for a parking permit in any zone for a second car will be \$5.00. Persons who are attending conferences and similar meetings on the campus at the invitation of the University will park in assigned areas. The registration fee for such parking will be 50 cents a day.

All parking permits are issued on a no-refund basis.

The increase in parking fees will be used for additional surface parking facilities, for better maintenance of the present parking facilities, and for expenses in connection with the feasibility study to determine the location of parking ramps, financing, and cost to faculty, staff and students, as authorized by the Board of Trustees on April 6, 1962.

It is therefore recommended that the above registration fees for parking on The Ohio State University grounds be approved and that the Code of Motor Vehicle Regulations enacted by the Board of Trustees on November 8, 1957 (amended April 14, 1961) to provide for the control of the parking and operation of motor vehicles on the grounds of The Ohio State University by faculty, staff and students be amended accordingly.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was approved by unanimous roll call vote.

B. Revision of Rule 29.2721 of Rules for the University Faculty

On May 8, 1962, the Faculty Council recommended that Section 1 of Rule 29.2721 of Rules for the University Faculty (the Rule establishing the Committee on Academic Misconduct) be deleted and that the following Section be inserted in place thereof:

Section 1. The Committee on Academic Misconduct shall consist of three members of the University Faculty, one student, and the Executive Dean, Student Relations, ex officio.

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rule 29.2721 of Rules for the University Faculty (continued)

The three members of the University Faculty shall be appointed by the President for a term of three years, the appointments to be made annually so that one member will retire each year. No member of the University Faculty shall serve more than two consecutive terms. The student member shall be appointed by the President for a term of one year. This appointment shall be made from nominations (no less than four in number) of students with at least junior standing, the nominations to be made by the Student Senate in a manner prescribed by the Student Senate.

It is therefore recommended that the action of the Faculty Council as indicated above be approved.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation to revise Section 1 of Rule 29.2721 of the Rules for the University Faculty was unanimously approved and the Secretary was instructed to include this revision in the appropriate documents as they are reprinted.

C. Authorization to Grant the Degree--Bachelor of Science in Medical Dietetics

The Faculty Council on May 8, 1962 approved the proposal of the Council on Instruction and the Department of Preventive Medicine and the College of Medicine to offer the Bachelor of Science in Medical Dietetics Degree to those students satisfactorily completing the requirements in the experimental Medical Dietetics Curriculum which is being sponsored by the Kellogg Foundation.

It is therefore recommended that the Board of Trustees authorize the granting of the Bachelor of Science in Medical Dietetics to those students who have completed the requirements for the degree with the understanding that the authorization would not be limited to the experimental period if it is determined that the program should be continued after the experimental project has been completed.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation to authorize the granting of the Bachelor of Science in Medical Dietetics Degree was unanimously approved by roll call vote.

D. Budgets for the 1962-63 Fiscal Year

The following budgets, including ranks, titles and salaries, as set forth in the "Salary Roll" are hereby recommended for approval:

1. The Ohio State University annual personnel budget from appropriated general revenue funds, student fees, Morrill Fund and unrestricted funds, in the amount of \$27,392,815.00, for the fiscal year beginning July 1, 1962.

Upon motion of Mr. Allyn, seconded by Mr. Patton, The Ohio State University personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

June 15, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

D. Budgets for the 1962-63 Fiscal Year (continued)

2. The University Hospital annual personnel budget from appropriated general revenue funds and Hospital rotaries in the amount of \$8,775,972.00, for the fiscal year beginning July 1, 1962.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the University Hospital personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

3. Agricultural Extension Service annual personnel budget from appropriated funds in the amount of \$3,268,160.00, for the fiscal year beginning July 1, 1962.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the Agricultural Extension Service personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

4. The Ohio State University Research Foundation annual operating budget in an amount not to exceed \$494,732.00, for the fiscal year beginning July 1, 1962. This budget was approved by the Board of Directors of The Ohio State University Research Foundation at its annual meeting on April 20, 1962.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, The Ohio State University Research Foundation operating budget was unanimously approved by roll call vote.

5. The Department of Athletics annual operating budget in an amount not to exceed \$1,828,897.00, for the fiscal year beginning July 1, 1962. This budget was approved by the Athletic Council at its regular meeting on May 22, 1962.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the Department of Athletics operating budget was unanimously approved by roll call vote.

E. Change of Name of the School of Fine and Applied Arts to School of Art

The faculty of the School of Fine and Applied Arts has proposed that the name of the School be changed to School of Art, for the reason that the present name (a) makes an unnecessary distinction between "fine" and "applied" arts, (b) is no longer appropriate for the variety of disciplines within the school, and (c) creates an erroneous impression of the School's purposes and activities.

This proposal was endorsed by the Dean of the College of Education, the Council on Instruction, and was approved by the Faculty Council on May 8, 1962. It is therefore recommended that the Board of Trustees approve the proposed change in name of the School of Fine and Applied Arts to the School of Art, effective immediately.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the name of the School of Fine and Applied Arts was changed to the School of Art, effective immediately, by unanimous roll call vote of the Board of Trustees.

June 15, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

F. Naming of Residence Hall--Morrison Tower

Upon the proposal of Mr. Frederick Stecker, Executive Director, University Relations, after consultation with appropriate administrative officers of the University, it is recommended that the residence hall now identified as "Dormitory F" be named "Morrison Tower" in memory of Mary Franc Morrison, B.A. 1879 (Mrs. Sidney Howell Short), the first woman graduate of The Ohio State University.

This proposal has the concurrence of the staff of the Dean of Women and of the President's Cabinet and is in accordance with the By-Laws of the Board of Trustees. It is hereby recommended for your approval.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the Board of Trustees by unanimous roll call vote, approved the naming of the residence hall located at 196 West Eleventh Avenue as Morrison Tower.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the May 18, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotions in Administrative Positions, Appointments, Leaves of Absence Without Salary, Emeritus Titles, Promotions in Academic Rank and Reappointment of Department Chairmen and Directors of Schools.

A. Promotions in Administrative Positions

John E. Corbally, Jr. from Director, Personnel Budget to Executive Assistant to the President and Director, Personnel Budget, effective July 1, 1962, at a salary of \$17,268.00 per annum. In this capacity Dr. Corbally is to serve as a member and Secretary of the President's Cabinet.

Arthur D. Lynn, Jr. from Assistant Dean, College of Commerce and Administration to Associate Dean, College of Commerce and Administration, effective July 1, 1962, at a salary of \$14,676.00 per annum.

William E. Schlender from Assistant Dean, College of Commerce and Administration to Associate Dean, College of Commerce and Administration, effective July 1, 1962, at a salary of \$14,676.00 per annum.

Edward Q. Moulton from Assistant Dean, Graduate School to Associate Dean, Graduate School, effective July 1, 1962, at a salary of \$15,876.00 per annum.

Grant O. Graves from Professor and Acting Chairman, Anatomy to Professor and Chairman, Anatomy, effective July 1, 1962, at a salary of \$18,372.00 per annum.

June 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Promotions in Administrative Positions (continued)

Lawrence J. R. Herson from Associate Professor, Political Science to Professor and Chairman, Political Science, effective July 1, 1962, at a salary of \$16,368.00 per annum.

Leon I. Twarog from Professor, German to Professor and Chairman, Slavic Languages and Literatures, effective October 1, 1962, at a salary of \$14,868.00 per annum.

B. Appointments

Hugh M. Davidson, Professor, Romance Languages, effective October 1, 1962, at a salary of \$14,568.00 per annum.

Elias L. Rivers, Professor, Romance Languages, effective October 1, 1962, at a salary of \$15,168.00 per annum.

Charles Saltzer, Professor, Mathematics, effective October 1, 1962, at a salary of \$15,168.00 per annum.

Alexander Abian, Associate Professor, Mathematics, effective October 1, 1962, at a salary of \$11,568.00 per annum.

Paul D. Carrington, Associate Professor, Law, effective October 1, 1962, at a salary of \$11,268.00 per annum.

Felix D. Kollaritsch, Associate Professor, Accounting, effective October 1, 1962, at a salary of \$10,068.00 per annum.

C. Leaves of Absence Without Salary

Everett Walters, Dean, Graduate School, July 1, 1962 through June 30, 1963, to accept an appointment as Director, Title IV (Graduate Fellowship Program) National Defense Education Act, Washington, D. C.

Lawrence E. Kunkle, Professor, Animal Science, July 1, 1962 through July 15, 1962, to accept an assignment with the Foreign Agricultural Service to give leadership to a training program for Japanese packing house officials.

Russell O. Olson, Professor (part time - 51%), Agricultural Economics and Rural Sociology, September 1, 1962 through August 31, 1963, to work with the Food and Agriculture Organization, Rome, Italy.

June 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Leaves of Absence Without Salary (continued)

William A. Wayt, Associate Professor (part time - 37%), Agricultural Economics and Rural Sociology, August 1, 1962 through July 31, 1963, to act as Head of the Agricultural Economics Department, Imperial Ethiopian College of Agricultural and Mechanical Arts, Alemaya, Ethiopia.

Howard C. Williams, Associate Professor (part time - 30%), Agricultural Economics and Rural Sociology, September 1, 1962 through August 31, 1963, to be a Visiting Professor, Nommensen University, Medan, Sumatra.

A. Eugene Havens, Assistant Professor (part time - 46%), Agricultural Economics and Rural Sociology, July 1, 1962 through June 30, 1963, to accept a Fulbright Research Scholarship to perform rural sociological research in Colombia, South America.

Dick H. Kleyn, Assistant Professor (part time - 20%), Dairy Science, and Assistant Professor (Extension Specialist, Dairy Technology) (part time - 80%), Agricultural Extension Service, July 1, 1962 through July 15, 1962, to go to Holland.

D. Emeritus Titles

William H. Reither, Philosophy, with the title Associate Professor Emeritus, effective July 1, 1962.

Mabel G. Fernald, Agricultural Extension Service, with the title Instructor (County Extension Agent, Home Economics) Emeritus, effective July 1, 1962.

Florence B. McBride, Agricultural Extension Service, with the title Instructor (County Extension Agent, Home Economics) Emeritus, effective July 1, 1962.

E. Promotions in Academic Rank

(Effective October 1, 1962 unless marked with *
which indicates effective July 1, 1962)

College of Agriculture and Home Economics

To Professor

- *Kenneth V. Battles (Agricultural Extension Service)
- *Harold R. Capener (Agricultural Economics and Rural Sociology)
- *Ralph H. Grimshaw (Agricultural Extension Service)
- *Fred O. Hartman (Horticulture and Forestry)
- *Robert P. Holdsworth (Agricultural Extension Service) and (Zoology and Entomology)

June 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

E. Promotions in Academic Rank (continued)

College of Agriculture and Home Economics (continued)

To Professor (continued)

- *Blair F. Janson (Agricultural Extension Service)
- *James L. Mortensen (Agronomy)
- *Orlo L. Musgrave (Agricultural Extension Service)
- *Milner A. Ross (Agricultural Extension Service)
- *Paul E. Smith (Agronomy)

To Associate Professor

- *Robert M. Barnes (Agricultural Extension Service)
- *James L. Caldwell (Agricultural Extension Service)
- *William F. Cowen, Jr. (Agricultural Extension Service)
 - John E. Gander (Agricultural Biochemistry)
- *Pauline G. Hall (Agricultural Extension Service)
- *Orena M. Haynes (Agricultural Extension Service)
 - Mary Lapitsky (School of Home Economics)
- *Emil Malinovsky (Agricultural Extension Service)
- *George J. Mountney (Poultry Science)
- *Ralph A. Porterfield (Agricultural Extension Service)
- *Kenneth W. Reisch (Horticulture and Forestry)
 - John A. Schmitt, Jr. (Botany and Plant Pathology)
- *Virginia Vivian (School of Home Economics)
 - George W. Ware (Zoology and Entomology)
- *Richard H. Wilson (Agricultural Education)

To Assistant Professor

- J. William Burley (Botany and Plant Pathology)
- Robert M. Giesy (Botany and Plant Pathology)
- *Tillman J. Johnson (Botany and Plant Pathology)
- *Charles F. Parker (Animal Science)
 - Glenn E. Smith (Botany and Plant Pathology)
- *Edward W. Stroube (Agricultural Extension Service)

College of Arts and Sciences

To Professor

- Jack Baldwin (Microbiology)
- Edward Bohl (Microbiology)
- Michael Cava (Chemistry)
- Marvin Fox (Philosophy)
- Harvey Goldberg (History)
- Lawrence J. R. Herson (Political Science)
- *Simo Laurila (Geodetic Science)
- James V. Logan (English)
- Robert L. Mills (Physics and Astronomy)
- Peter H. Taylor (English)
- David White (Chemistry)

June 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

E. Promotions in Academic Rank (continued)

College of Arts and Sciences (continued)

To Associate Professor

Howard S. Babb (English)
James B. Christoph (Political Science)
David O. Edwards (Physics and Astronomy)
David F. Herring (Physics and Astronomy)
Theodore Hildebrandt (Mathematics)
Donald Howard (English)
Keith W. Jones (Physics and Astronomy)
Angelo Margaritis (Mathematics)
Leroy F. Meyers (Mathematics)
Sheldon Shore (Chemistry)
Walter Sweet (Geology)
*Urho Uotila (Geodetic Science)

To Assistant Professor

Ralph Angelo (Romance Languages)
Carl Ginet (Philosophy)
Frank O. Miller (Political Science)
John M. Muste (English)
Richard H. Severens (Philosophy)

College of Commerce and Administration

To Professor

G. Diran Bodenhorn (Economics)
Lawrence A. Hoffman (Geography)
Leo D. Stone (Business Organization)
Richard A. Tybout (Economics)

To Associate Professor

George S. Goodell (Business Organization)
Harry G. Lyle (Accounting)
Francis Seawall (Geography)
Wilametta Sisson (School of Social Work)
William L. Velman (Business Organization)
Ruth L. Wilkins (Business Organization)

College of Dentistry

To Professor

Henry Kaiser

June 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

E. Promotions in Academic Rank (continued)

College of Dentistry (continued)

To Associate Professor

William H. Dietz

To Assistant Professor

Harry H. Chandler
Clyde D. Gump
Richard C. O'Brien
Robert M. Ryan

College of Education

To Professor

Edward Allen (Education)
Charlotte Huck (Education)
*Harold Reynard (Bureau of Educational Research and Service)
W. Frederick Staub (Education)

To Associate Professor

John Broedel (Education)
Frederick R. Cyphert (Education)
Hazel L. Gibbony (Bureau of Educational Research and Service)
Walter Hack (Education)
William Howell (Psychology)
Martha King (Education)
Charles Spohn (School of Music)
Roberta F. Utterback (University School)
Catherine M. Williams (Bureau of Educational Research and Service)
William Wolf (Education)

To Assistant Professor

Charles Benner (School of Music)
William Kearns (School of Music)
Margaret Koste (Education)
Melba D. Woodruff (University School)

College of Engineering

To Professor

Paul F. Graham (Engineering Mechanics)
Robert G. Kouyoumjian (Electrical Engineering)
John D. Lee (Aeronautical and Astronautical Engineering)
Jack H. Richmond (Electrical Engineering)

June 15, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

E. Promotions in Academic Rank (continued)

College of Engineering (continued)

To Associate Professor

William S. C. Chang (Electrical Engineering)
Wendell H. Cornet (Electrical Engineering)
Richard I. Hang (Engineering Drawing)
Gordon W. Powell (Metallurgical Engineering)
Carlton H. Walter (Electrical Engineering)

To Assistant Professor

Kenneth A. Ackley (Engineering Drawing)
Frank E. Battocletti (Electrical Engineering)
Wayland W. Bowser (School of Architecture)
John F. Bridge (Mechanical Engineering)
Robert A. Brown (Industrial Engineering)
*Jack J. Eggspuehler (School of Aviation)
Edward S. Fishburne (Aeronautical and Astronautical Engineering)
James G. Josenhans (Electrical Engineering)

College of Law

To Professor

Kenneth L. Karst

To Associate Professor

Lawrence Herman

To Assistant Professor

*L. Orin Slagle, Jr.

College of Medicine

To Professor

*Hilda Knobloch (Pediatrics)
*Martha N. Lewis (Preventive Medicine)
*Joseph M. Ryan (Medicine)
*James F. Schieve (Medicine)

To Associate Professor

*Perry R. Ayres (Clinical - Medicine)
*E. Thomas Boles (Surgery)
*William F. Bradley (Clinical - Medicine)
Irma Eglitis (Anatomy)

II. PERSONNEL CHANGES (continued)

E. Promotions in Academic Rank (continued)

College of Medicine (continued)

To Associate Professor (continued)

- *Richard L. Fulton (Clinical - Medicine)
- *Orville C. Green (Pediatrics)
- *Philip C. Pratt (Pathology)
- *Salomon Rettig (Psychiatry)
- *William O. Robertson (Pediatrics)
- *Dante G. Scarpelli (Pathology)
- *Robert H. Schoene (Clinical - Medicine)

To Assistant Professor

- *Roger D. Barry (Obstetrics and Gynecology)
- *Paige K. Besch (Obstetrics and Gynecology)
- *John G. Boutselis (Obstetrics and Gynecology)
- *William G. Cassel (Clinical - Medicine)
- *Howard J. Ehrlich (Psychiatry)
- *Rudolph Kaelbling (Psychiatry)
- *Blanca Smith (Surgery)
- *Nichols Vorys (Obstetrics and Gynecology)

College of Veterinary Medicine

To Professor

- *Charles D. Diesem (Veterinary Anatomy)

To Assistant Professor

- *Harrison Gardner (Veterinary Medicine)

Special Services Division

To Professor

- Helen P. Alkire (Physical Education - Women)

To Associate Professor

- Joseph M. Hewlett (Physical Education - Men)

To Assistant Professor

- Robert L. Bartels (Physical Education - Men)
- Martha Dendy (Physical Education - Women)
- Mary F. Hull (Physical Education - Women)
- Marian K. Solleder (Physical Education - Women)

II. PERSONNEL CHANGES (continued)

F. Reappointment of Department Chairmen and Directors of Schools

<u>Department or School</u>	<u>Chairman or Director</u>	<u>Reappointed to</u>
School of Aviation	J. J. Eggspuehler	June 30, 1966
Ceramic Engineering	J. O. Everhart	June 30, 1966
Classical Languages	John Titchener	June 30, 1966
Geodetic Science	R. A. Oetjen	June 30, 1966
History	Harold Grimm	June 30, 1966
School of Journalism	George Kienzle	September 30, 1966
Obstetrics and Gynecology	John G. Ullery	June 30, 1966
Physics and Astronomy	Harald Nielsen	June 30, 1966
Preventive Medicine	William Ashe	June 30, 1966
Sociology and Anthropology	Raymond F. Sletto	September 30, 1966
University School	Alexander Frazier	June 30, 1966
Veterinary Anatomy	Walter Venzke	June 30, 1966
Veterinary Pathology	Clarence Cole	June 30, 1966
Veterinary Preventive Medicine	John Helwig	June 30, 1966
Veterinary Surgery and Radiology	Richard Rudy	June 30, 1966

Upon motion of Mr. Davis, seconded by Mr. Loop, the Promotions in Administrative Positions, Appointments, Leaves of Absence Without Salary, Emeritus Titles, Promotions in Academic Rank, Reappointment of Department Chairmen and Directors of Schools, and the personnel changes were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Nuclear Spectroscopy (to be known as U. S. Atomic Energy Commission Project No. 440 - Sup. #11 - Department of Physics and Astronomy).
Gross Value - \$40,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- b. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an Investigation of Polynitro Aliphatic Synthesis (to be known as Office of Naval Research Project No. 783 - Amend. #7 - Department of Chemistry).
Gross Value - \$16,483.00.
- c. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for an Investigation of Spectroscopy of the Far Infrared Region (to be known as Electronic Systems Division Project No. 843 - Mod. #6 - Department of Physics and Astronomy).
Gross Value - \$20,000.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Plasma Proteins in Leukemias Lymphomas and Related Diseases (to be known as National Institutes of Health Project No. 908 - Sup. #1 - Department of Medicine).
Gross Value - \$7,461.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Interaction of Drugs with Basophilic Granulocytes (to be known as National Institutes of Health Project No. 921 - Ext. #3 - Department of Physiological Chemistry and Pharmacology).
Gross Value - \$13,450.00.
- f. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for an Analysis of Global and Special Gravity Measurements (to be known as Electronic Systems Division Project No. 1058 - Mod. #5 - Department of Geodetic Science).
Gross Value - \$99,424.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Chemical Factors in Host Plant Selection by Insects (to be known as National Institutes of Health Project No. 1088 - Ext. #2 - College of Pharmacy).
Gross Value - \$9,717.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Servo-analytic Study of the Myotatic Reflex System (to be known as National Institutes of Health Project No. 1101 - Ext. #2 - Department of Physiology).
Gross Value - \$8,510.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Experimental Surgery for Calculous Pancreatitis (to be known as National Institutes of Health Project No. 1102 - Ext. #2 - Department of Surgery).
Gross Value - \$23,932.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tissue Enzymes in Rheumatic Diseases (to be known as National Institutes of Health Project No. 1106 - Ext. #2 - Department of Medicine).
Gross Value - \$18,814.00.
- k. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for A Theoretical Study of the Modification in Echo Area of Space Vehicles Due to Their Local Space Environment (to be known as Electronic Systems Division Project No. 1116 - Mod. #4 - Department of Electrical Engineering).
Gross Value - \$30,000.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effect of Hypoglycemic Agents on Cell Metabolism (to be known as National Institutes of Health Project No. 1158 - Ext. #2 - Department of Medicine).
Gross Value - \$17,391.00.
- m. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for Collection and Analysis of Research Data on Human Factors in the Design of Operator Training Equipment (to be known as Aeronautical Systems Division Project No. 1232 - Sup. #3 - Department of Psychology).
Gross Value - \$53,850.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Investigation of Collection and Allocation of Blood for Community Use (to be known as National Institutes of Health Project No. 1234 - Ext. #1 - Engineering Experiment Station).
Gross Value - \$17,032.00.
- o. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for an Investigation of Spherical Detonation Waves (to be known as Aeronautical Systems Division Project No. 1251 - Sup. #2 - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$18,300.00.

June 15, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- p. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for Research on Etch Pit Investigation of Iron Whiskers (to be known as Aeronautical Systems Division Project No. 1262 - Mod. #2 - Engineering Experiment Station).
Gross Value - \$25,830.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Diabetic Retinopathy (to be known as National Institutes of Health Project No. 1267 - Ext. #1 - Department of Pathology).
Gross Value - \$30,281.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tube Pedicle Survival (to be known as National Institutes of Health Project No. 1269 - Ext. #1 - Department of Surgery).
Gross Value - \$12,000.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Erythrocyte Antigen Modification by Bacterial Factors (to be known as National Institutes of Health Project No. 1277 - Ext. #1 - Department of Microbiology).
Gross Value - \$9,976.00.
- t. * Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Isolation and Identification of RH₀(D) Antigen (to be known as National Institutes of Health Project No. 1299 - Ext. #1 - Department of Microbiology).
Gross Value - \$30,016.00.
- u. Institute of Technology, Air University, USAF, Wright-Patterson Air Force Base, Ohio, for Research and Services to Further Develop Curricula and Present Courses of Instruction, Advanced Logistics Course and Air Materiel Command Logistics Education Program (to be known as Institute of Technology, WPAFB, Ohio Project No. 1343 - Sup. #6 - Defense Management Center).
Gross Value - \$17,000.00.
- v. U. S. Army, Chemical Corps Biological Laboratories, Ft. Detrick, Frederick, Maryland, for Basic Research in Life Sciences (to be known as U. S. Army Chemical Corps Biological Laboratories Project No. 1406 - Amend. #1 - Department of Medicine).
Gross Value - \$11,647.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- w. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for Research Studies on the Fluid Dynamics of High Enthalphy Flow (to be known as Aeronautical Systems Division Project No. 1427 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$59,989.00.
- x. Headquarters, Aerospace Medical Division, AFSC, Brooks Air Force Base, Texas, Research, Reports and Development to Evaluate an Approach to On-the-Job Criterion Development Which Utilize Simulated Specialty Incumbents (to be known as Aerospace Medical Division Project No. 1433 - New - Department of Psychology).
Gross Value - \$37,585.00.
- y. National Science Foundation, Washington 25, D. C., for an Ecological Survey of Antarctic Bacteria (to be known as National Science Foundation Project No. 1446 - New - Institute of Polar Studies).
Gross Value - \$15,200.00.
- z. Rosemount Engineering Company, 900 West 78th Street, Minneapolis 24, Minnesota, for Wind Tunnel Calibration Tests, Model P-124 Sensor (to be known as Rosemount Engineering Company Project No. 1452 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$2,000.00.
- aa. Rosemount Engineering Company, 900 West 78th Street, Minneapolis 24, Minnesota, for Wind Tunnel Calibration Tests, Model 103-3H Sensor (to be known as Rosemount Engineering Company Project No. 1453 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$5,000.00.
- bb. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Man-Machine Compatibility in Very Low Altitude Flight (to be known as National Institutes of Health Project No. 1454 - New - School of Aviation and Department of Psychology).
Gross Value - \$43,639.00.
- cc. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for Research Analysis Services Relative to Nuclear Weapon Effects (to be known as Aeronautical Systems Division Project No. 1456 - New - RF Internal Supervision).
Gross Value - \$28,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- dd. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Nervous System Elements in Tissue Culture (to be known as National Institutes of Health Project No. 1457 - New - Department of Pathology and Department of Psychiatry).
Gross Value - \$26,869.00.
- ee. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Alterations in Steroidal Patterns at Adolescence (to be known as National Institutes of Health Project No. 1458 - New - Department of Pediatrics, Children's Hospital).
Gross Value - \$13,216.00.
- ff. General Electric Company, Flight Propulsion Laboratory Department, Evendale, Ohio, for Hypersonic Model Testing (to be known as General Electric Company, Flight Propulsion Laboratory Department Project No. 1459 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$30,508.00.
- gg. The Boeing Company, Aero-Space Division, Seattle 24, Washington, for Dyna-Soar Glider Heat Transfer Tests (to be known as The Boeing Company, Aero-Space Division Project No. 1461 - New - Department of Aeronautical and Astronautical Engineering).
Gross Value - \$61,985.00.
- hh. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Methods of Image Intensification Applied to Radiology (to be known as National Institutes of Health Project No. 1462 - New - College of Dentistry and Department of Physics and Astronomy).
Gross Value - \$30,000.00.
- ii. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for a Study of Dislocation Interactions, Dislocation Extension and Stacking Faults in Relation to Mechanical Properties (to be known as Aeronautical System Division Project No. 1463 - New - Department of Metallurgical Engineering).
Gross Value - \$89,800.00.
- jj. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Diatoms of the West End of Lake Erie (to be known as National Institutes of Health Project No. 1464 - New - Department of Botany and Plant Pathology).
Gross Value - \$9,085.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- kk. Department of Navy, Office of Naval Research, Washington 25, D. C., for Research on Mandarin Phonology (to be known as Office of Naval Research Project No. 1465 - New - Department of English).
Gross Value - \$10,000.00.
- ll. National Science Foundation, Washington 25, D. C., for Ecology and Floristic Investigations of Antarctic Lichens (to be known as National Science Foundation Project No. 1466 - New - Institute of Polar Studies).
Gross Value - \$21,400.00.
- mm. Headquarters, Aeronautical Systems Division, WPAFB, Ohio, for an Investigation of Visual Recovery from Brief Exposures to Very High Luminance Levels (to be known as Aeronautical Systems Division Project No. 1467 - New - School of Optometry).
Gross Value - \$44,900.00.
- nn. National Science Foundation, Washington 25, D. C., for an Investigation of Sucrose Translocation in Plants (to be known as National Science Foundation Project No. 1468 - New - Department of Botany and Plant Pathology).
Gross Value - \$26,800.00.

TOTAL - Government Contracts - Federal \$1,087,090.00

2. Industrial and Other Contracts

- a. Ohio Tuberculosis and Health Association, 1575 Neil Avenue, Columbus 1, Ohio, for an Investigation of Autoimmunization in Experimental Tuberculosis (to be known as Ohio Tuberculosis and Health Association Project No. 764 - Ext. #5 - Department of Microbiology).
Gross Value - \$3,348.00.
- b. The Rockefeller Foundation, 111 West 50th Street, New York 20, New York, for an Investigation of Fungal Synthesis of Microbial Protein (to be known as The Rockefeller Foundation Project No. 1455 - New - Department of Botany and Plant Pathology).
Gross Value - \$10,000.00.
- c. Fulton County Heart Council, 224 East Chestnut Street, Wauseon, Ohio, for an Investigation of the Relation of the Adrenal to Hypertension (to be known as Fulton County Heart Council Project No. 1460 - New - Department of Physiology).
Gross Value - \$945.00.

TOTAL - Industrial and Other Contracts \$14,293.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

The foregoing forty-three contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,101,383.00.

Upon motion of Mr. Patton, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts
from the Engineering Experiment Station

During the period from May 1, 1962 through May 31, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Industrial Research Contracts

EES 158 Ext. #3	Interfacial Tension Between Liquid Iron and Slag, American Iron and Steel Institute, New York, New York. Gross Value - \$18,000.00
EES 204 Ext. #1	A Study of Hydrostatic Oil Bearings, The Gleason Works, Rochester, New York. Gross Value - \$7,304.40
EES 213	Fundamentals of Exothermic Pads to Increase Feeding Distances of Risers in Steel Castings, Steel Founders' Society of America, Cleveland, Ohio. Gross Value - \$8,000.00

The foregoing three contracts for research in the Engineering Experiment Station represent a gross income of \$33,304.40.

C. The Ohio State University and the State Department of Education
Division of Vocational Education and Division of Special Education

It is recommended that the agreements between The Ohio State University and the State Department of Education, Division of Vocational Education and Division of Special Education, be continued for the fiscal year 1962-63 and that contracts for teacher training and special services in the following areas be approved:

Vocational Home Economics
Vocational Agriculture
Trade and Industrial Education
Distributive Education
Business Education
Guidance Services
Teaching of Handicapped Children

June 15, 1962 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. The Ohio State University and the State Department of Education Division of Vocational Education and Division of Special Education (continued)

It is recommended further that the President of the University and the Secretary of the Board of Trustees be authorized to sign the agreements on behalf of the University.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendations were unanimously approved.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$55,000.00 granted by the National Science Foundation to the University for support of the construction project, "Construction of Facilities for Research in Mineralogy, Crystallography, and Geochemistry." This grant will make it possible to construct research facilities for the Department of Mineralogy and these facilities will be as a further addition to the Chemical Engineering Building. (Grant NSF-G23826)
2. \$32,892.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Nutrition and Food Technology," under the direction of Dr. Ralph M. Johnson, Director, Institute of Nutrition and Food Technology, for the period July 1, 1962 through June 30, 1963. (Grant 2G-752-C1)
3. \$29,740.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Training Program in Microbiology and Immunology," under the direction of Dr. J. M. Birkeland and Dr. E. H. Bohl, Department of Microbiology, for the period July 1, 1962 through June 30, 1963. (Grant 2G-705-C1)
4. \$22,568.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Training Program in Biochemistry," under the direction of Dr. F. E. Deatherage, Department of Agricultural Biochemistry, for the period July 1, 1962 through June 30, 1963. (Grant 2G-513-C1)
5. \$14,200.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Clinical Psychology," under the direction of Dr. Julian B. Rotter, Department of Psychology, for the period July 1, 1962 through June 30, 1963. (Grant 2M-5061-C15S2)

June 15, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

6. \$2,000.00 granted by the National Science Foundation to the University for support of a "Conference on Factors in Technological Research and Development," under the direction of Richard A. Tybout, Department of Economics, for a period of approximately one year, effective June 1, 1962. (Grant NSF-G24059)

TOTAL - Through the Office of Business and Finance \$156,400.00

B. Administered Through the Development Fund

1. \$4,500.00 from the Owens-Illinois Glass Company for the Owens-Illinois Fellowship in Ceramic Engineering to be used for a fellowship stipend.
2. \$4,362.51 for the Robert N. Watman Memorial Fund from the Alpha Omega Alpha (Honorary Medical Society), the income to be used for a scholastic or educational project or honorary professorship in Medicine.
3. \$3,000.00 from the Van Wert County United Health Foundation, Inc. for the support of a cancer project in the Department of Surgery.
4. \$3,000.00 from the American Cyanamid Company as an unrestricted grant to be deposited in the unrestricted endowment funds of the University.
5. \$2,550.00 from the Columbus Bureau for Lathing and Plastering for the Columbus Bureau for Lathing and Plastering Fund for scholarships and an award in School of Architecture.
6. \$2,000.00 for the Harry Kaplan Endowment Fund. This fund was approved by the Board of Trustees April 8, 1960.
7. \$1,500.00 from the Link Foundation for the Link Foundation Fund for School of Aviation to be used for aerospace research.
8. \$1,200.00 from the American Cyanamid Company, as a gift to the College of Medicine for support of two medical student research fellowships to be known as the Lederly Medical Student Research Fellowship.
9. \$1,000.00 for Research on Connective Tissue Metabolism from the Franklin County Chapter, Arthritis and Rheumatism Foundation.

TOTAL - Through the Development Fund \$23,112.51

Upon motion of Mr. Allyn, seconded by Mr. Patton, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

June 15, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund

In April, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	16,980	\$145,783.96
Individuals, Other Than Alumni	23	1,239.00
Non-Profit Organizations	22	8,992.54
Business Concerns	8	7,863.00
	<u>17,033</u>	<u>\$163,878.50</u>

Of these gifts, 15,920 totaling \$97,086.71 were undesignated and 1,113 totaling \$66,791.79 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. The Mershon Fund Restricted Portion--Education in National Security

During the past three years the following amounts have been appropriated from the civilian-military portion of the Mershon Fund for the University's instruction and research programs in national security:

for 1959-60	\$250,000.00
for 1960-61	\$300,000.00
for 1961-62	\$314,000.00

Based upon the anticipated earnings from the Mershon Fund during 1962-63, the Mershon Committee on Education in National Security under the chairmanship of Associate Dean Robert J. Nordstrom has proposed, with the concurrence of Vice President Heimberger, the following budget for 1962-63.

Budget Request

Instruction including courses in National Security Policy, Latin American Law Studies and Slavic Studies	\$ 41,000.00
National Security Professors	78,600.00
Graduate Institute for World Affairs	24,200.00
Fellowships	45,000.00
Public instruction--Conferences, Lectures and the National Security Manuscript Award Program	20,500.00
Research projects	96,614.00
Program support	<u>16,086.00</u>
TOTAL	\$322,000.00

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. The Mershon Fund Restricted Portion--Education in National Security
(continued)

It is hereby recommended that the Board of Trustees approve the budget request and an allocation not to exceed the amounts indicated above with the understanding that expenditures will be approved and administered under the authority of the President and through the Office of the Vice President, Instruction and Research, subject to quarterly allotments. It is recommended further that to cover this budget request \$300,000.00 be allocated from the civilian-military portion of the Mershon Fund and that the estimated balance of \$22,000.00 from the 1961-62 budget be reallocated.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendations were unanimously approved by roll call vote.

B. Appropriation from Unrestricted Portion of Mershon Fund to Scholarship Funds

Upon the recommendation of the University Scholarships and Loans Committee and with the concurrence of the Executive Dean, Student Relations, and the Vice President, Business and Finance, it is requested that the Board of Trustees authorize the appropriation of \$150,000.00 from the unrestricted portion of the Mershon Income to support University scholarships during the 1962-63 academic year. This recommendation is in accordance with the policy established by the Board of Trustees on February 7, 1958.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the appropriation of \$150,000.00 from the unrestricted portion of the Mershon Income for support of University scholarships during 1962-63 was unanimously approved by roll call vote.

C. Newcomers Reception

Upon the recommendation of Mr. Frederick Stecker, Executive Director, University Relations, whose office is assigned the responsibility for planning the annual Newcomers Reception, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$900.00 be appropriated from the University Treasurer General Fund for the purpose of defraying the expenses of this function to be held on Thursday, September 27, 1962.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation for appropriation of funds was approved by unanimous roll call vote.

D. Orientation Program for New Faculty

Upon the recommendation of Dr. Frederic Heimberger, Vice President, Instruction and Research, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$500.00 be appropriated from the University Treasurer General Fund to the Committee on Orientation of New Faculty Members, for the purpose of defraying the expenses for this orientation program.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Veterinary Clinical Unit Building

Electrical Contract

It is recommended that all electrical wiring and connections be provided for an electrical release for the doors from the Receiving Dock by a push button in the Dispensary.

Add \$125.00

Funds will be provided from Account 710, H. B. 390.

B. Dormitory "F" for Women (Morrison Tower)

Electrical Contract

It is recommended that the following changes be made:

1. Install one additional relay and wire to each air conditioning contactor to provide remote control of the fan-coil air conditioning units from the main office. Add \$79.00.
2. Provide fluorescent fixtures in the Recreation Room in lieu of incandescent light fixtures. Add \$721.00.

Add \$800.00

Funds will be provided from Dormitory Construction Funds.

C. Botany and Zoology Building, Remodeling and Expansion

It is recommended that the bus duct lines and room lighting be rerouted and relocated so that they will not interfere with the use of the X-Ray Room and so that additional shielding can be provided for safety purposes. The following changes will be required:

1. General Contract. Provide lead shielding around the rerouted heating and ventilating ducts and electrical ducts, increase lead lining in door, add lead shielding around door frame and provide vision panel in door. Add \$1,294.00.
2. Heating and Air Conditioning Contract. Revise and reroute heating and air conditioning ducts, outlets and other items. Add \$2,043.00.

June 15, 1962 meeting, Board of Trustees

VI. EXTRA ORDERS TO CONTRACTS (continued)

C. Botany and Zoology Building, Remodeling and Expansion (continued)

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|---|--------------------|
| 3. Electrical Contract. Raise and reroute the
bus duct and revise the lighting. Add
\$1,523.00. | Add \$4,860.00 |
|---|--------------------|

Funds will be provided by a transfer from Account 19916 to an appropriate building account in H. B. 390.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repairs to Concrete Curbs on the Streets on Campus

Funds will be provided from the 1962-63 appropriation for maintenance, H. B. 1123.

B. Grading and Paving at Golf Course

Funds will be provided from the Athletic Department.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with the advertising for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

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| 212 | Approves the transfer and expenditure of \$2,442.19 from Rotary 601 to Account 702 Improvements in Classrooms and Laboratories in Hamilton Hall, H. B. 390, to provide funds to adjust the architect's fees for this project. |
| 213 | Approves the transfer and expenditure of \$3,680.59 from Rotary 601 to Accounts 711, 705, 713, H. B. 390, to provide funds to adjust the architect's fees on Aviation Psychology Laboratory Remodeling, Ice Rink, and Infectious Diseases Laboratory. |

VIII. CONTROLLING BOARD APPROVALS (continued)

- 214 Approves the transfer and expenditure of \$965.80 from Rotary 601 to Account 701 Remodel Air Conditioning System University Hospital, H. B. 390, to provide funds to adjust the architect's fees for this project.
- 216 Approves the transfer and expenditure of \$854.70 from Rotary 601 to Account 702 Veterinary Clinic Building, Remodel Room 16, H. B. 390, to provide funds for an extra order to the Heating and Ventilating Contract and for additional architect's fees for this extra work.
- 217 Approves the transfer of \$3,258.00 from Rotary 601 to Account 711 Aviation Psychology Laboratory Remodeling, H. B. 390.
- 218 Approves of the expenditure of \$3,258.00 in Account 711, H. B. 390, for an extra order to the Heating and Air Conditioning Contract on the project Aviation Psychology Laboratory Remodeling.
- 219 Approves of the expenditure of \$20,350.00 from Account 766 Land Purchase, H. B. 390, for the purchase of property at 2106 Neil Avenue and an amount not to exceed \$4,650.00 from this same account for the demolition of the gasoline station and removal of the underground tanks to eliminate the hazard.
- 222 Approves the transfer of \$33,636.88 from Rotary 601 to Account 723 Installation of Three New Boilers at Research Center, H. B. 390.
- 223 Approves the expenditure of \$33,636.88 from Account 723, H. B. 390, to provide funds to cover the contract, advertising and the State Architect's fee for the project Installation of Three New Boilers at Research Center.
- 224 Authorizes the award of the Heating, Ventilating and Air Conditioning Contract to the low bidder without further competitive bidding in the amount of \$36,740.00 for the project Structure to House Van de Graaff Laboratory.
- 230 Approves 10-day advertising for the project Repairs to Concrete Curbs on the Streets on Campus.

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IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

- A. Research Center, Remodel Areas 200/300
(Area formerly occupied by Aviation Psychology, now being remodeled for use of Geodetic Science.)

It is recommended that Ralph & Curl, Columbus, Ohio, be employed to provide complete professional engineering services for air conditioning and electrical work for the above project, including design, preparation of drawings, specifications, estimate of cost and supervision of construction.

June 15, 1962 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Research Center, Remodel Areas 200/300 (continued)

The fee for this service will be calculated on an hourly basis of \$7.50 per hour for a principal, \$6.00 per hour for an engineer and \$4.50 per hour for a draftsman with an estimated maximum fee of \$1,000.00. Funds will be provided from the University Treasurer Research Account 19609.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved.

B. Withdrawal From Dividend Reserve on Group Life Insurance

It is recommended that Vice President Carson be authorized to make application to John Hancock Mutual Life Insurance Company for the withdrawal of \$70,000.00 from the dividend reserve account on Group Life Insurance Policy No. 1305-G in order to make expenditures for supplemental retirement benefits to our emeriti in accordance with Board action of July 10, 1959; for major medical coverage for emeriti in accordance with Board action of April 10, 1959; and death benefits as approved by action of the Board of Trustees on July 11, 1955.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

C. Purchase of Buildings and Property, 215-217 West Eleventh Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Stephen H. Chick at a price of \$29,500.00:

Property known as 215-217 West Eleventh Avenue
being Lot No. 24 University Heights Subdivision,
City of Columbus, County of Franklin, State of Ohio.

Funds are available in The Ohio State University Investment Fund.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Buildings and Property, 229 West Eleventh Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Agri-Indus Manufacturing Co., Michael B. Karr, President, at a price of \$32,500.00 in lieu of appropriation proceedings:

Property known as 229 West Eleventh Avenue, being
Lot No. 26 University Heights Addition, City of
Columbus, County of Franklin, State of Ohio.

Funds are available in Item 701 Land Purchases, H. B. 1123.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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June 15, 1962 meeting, Board of Trustees

X. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Owen Etsel Williams, Professor Emeritus of Engineering Drawing.

A. Owen Etsel Williams

The Board of Trustees expresses its sorrow at the death on May 24, 1962, of Owen Etsel Williams, Professor Emeritus of Engineering Drawing.

He was born in South Bend, Indiana, May 1, 1879 and was graduated from Purdue University in 1904. Following several years as machine designer and mechanical engineer with Dodge Manufacturing Company, Mishawaka, Indiana, he came to The Ohio State University in 1909 as an Instructor in the Department of Engineering Drawing. He was appointed Professor in that Department in 1925 and became an Emeritus Professor in 1949. He was a skillful draftsman and made extensive contributions to the early editions of "Engineering Drawing" by Thomas E. French. He was an excellent teacher--highly respected by his colleagues and students. Professor Williams served as Exchange Professor in Engineering Drawing at the University of Iowa in 1922.

It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XI. REPORTS

A. Reports from the Finance and Investment Committee

1. Report Concerning the Bond Resolution Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds and Loan Agreement With the Housing and Home Finance Agency

Mr. Patton, Chairman of the Finance and Investment Committee, presented the following report:

WHEREAS, the resolution authorizing the execution and delivery of a Loan Agreement providing for the unification of HHFA Projects 87(D) and 99(D), and the Series E, F, G and H Bond Resolution providing for the issuance of such Bonds to finance the construction of such combined project were adopted on May 18, 1962; and

WHEREAS, Housing and Home Finance Agency has requested a revision in the total cost of such project; and

WHEREAS, such revision will require that the amount of the Bonds be reduced; and

WHEREAS, the officers of the University are engaged in negotiating with the Housing and Home Finance Agency with respect to such revision; and

XI. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Bond Resolution Relative to the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds and Loan Agreement With the Housing and Home Finance Agency (continued)

WHEREAS, the University wishes that the United States Trust Company be the New York paying agent for the Series E, F, G and H Bonds under Section 2 of the Bond Resolution;

NOW, THEREFORE, BE IT RESOLVED as follows:

Section 1. The President and Vice President, Business and Finance, of the University, or either of them, are hereby authorized to make such changes in the Series E, F, G and H Bond Resolution with respect to a reduction in the amount of such Bonds and such other changes therein, or the designation of United States Trust Company as New York paying agent, as the officer acting shall deem not unfavorable to the University or as shall be required by the Housing and Home Finance Agency.

Section 2. The President, Vice President, Business and Finance, and the Secretary of the Board of Trustees, and each of them, are authorized to execute and deliver to the Housing and Home Finance Agency a Loan Agreement reflecting any change in the amount of such E, F, G and H Bonds, and any other changes that may be agreed upon pursuant to Section 1 hereof.

Section 3. The Secretary of the Board of Trustees is authorized and directed to insert in these minutes the Bond Resolution and Loan Agreement with such changes as may be made therein pursuant to Sections 1 and 2 hereof and to certify that the Series E, F, G and H Bond Resolution, with such changes, and the form of government resolution approving such Loan Agreement, as having been duly adopted by the Board.

Upon motion of Mr. Patton, seconded by Mr. Allyn, the above report and resolution were unanimously adopted by roll call vote.

2. Report on Investment Portfolio

The report on the University's Investment Portfolio dated May 31, 1962 was presented to the Board of Trustees, and the Secretary was instructed to file a copy of the report with the official records of the Board. After a presentation of a detailed analysis of the University Portfolio's behavior during the present market decline, it was further agreed by the Finance and Investment Committee that the Vice President, Business and Finance, should (a) follow the advice of Standard and Poor's and withdraw from trading until some market stability is indicated, and (b) that cash available is to be invested in short term high quality paper. No action was taken on the recommendation to consider the adoption of a policy to guide in the buying and selling of common stocks as set forth in the last paragraph of page 2 and the first paragraph of page 3 of Vice President Carson's letter to the Finance and Investment Committee dated June 15, 1962. A copy of said letter is attached to the University Investment Portfolio report.

XI. REPORTS (continued)

B. Resolution Received From the Citizens Research, Inc., Columbus, Ohio,
Concerning the University's Campus Plan

President Fawcett reported for information and the record that on May 24, 1962 the following resolution was adopted by the Citizens Research, Inc. Columbus, Ohio, and forwarded to the University.

RESOLUTION

WHEREAS, The Ohio State University has prepared and adopted an imaginative yet realistic plan for the campus of the State University at Columbus, Ohio; and

WHEREAS, the members of Citizens Research, Inc. recognize the need for comprehensive planning for the Columbus and Franklin County Region of the same high caliber as the University's plan; and

WHEREAS, the City and Regional Planning Commissions are now working to complete detailed studies and cost estimates necessary for the preparation of an application to the Housing and Home Finance Administration for "701" planning assistance;

NOW THEREFORE BE IT RESOLVED, that we the members of Citizens Research, Inc.:

1. Congratulate The Ohio State University on the preparation and adoption of its plan,
2. Urge City and County Officials to aggressively work and cooperate with the University toward the implementation of the campus comprehensive plan so that such a plan might reach its maximum potential,
3. Commend City and County Officials for their recognition of the need for a program of comprehensive plan preparation, and urge these officials to make their application to the Housing and Home Finance Administration for "701" planning assistance funds at the earliest possible date, and
4. Offer the services of our organization as they may be needed in the completion of the application to H.H.F.A., as well as the preparation and effectuation of the comprehensive plan for the Columbus and Franklin County Region.

APPROVED May 24, 1962, at the Annual Meeting of Citizens Research, Inc.

(Signed) Arvin J. Alexander
President

(Signed) Ernest Fritsche
Chairman of the Board

June 15, 1962 meeting, Board of Trustees

XI. REPORTS (continued)

C. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, July 13, 1962, at the University at ten o'clock.

Attest:

John T. Mount
Secretary

Forrest G. Ketner
Chairman

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